STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES
Department of Technology, Management, and Budget

525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **7**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE			
	Program Manager	Ashley Adrian	DTMB
		517-284-7454	
		AdrianA1@michigan.gov	
	Contract Administrator	KeriAnn Trumble	DTMB
		989-259-2625	
		trumblek1@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2025

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
☐ P-Card ☐ PRC ☐ Other	☒ Yes ☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☐		☐		August 5, 2025

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$11,000,000.00	$0.00	$11,000,000.00

DESCRIPTION

Effective 7/22/2021, this contract includes screening and location services for Miss Dig tickets, per Attachment A.

Please note the Contract Administrator has been changed to KeriAnn Trumble.

All other terms, conditions, specifications and pricing remain the same. Per contractor and agency agreement, and DTMB Central Procurement Services approval.

July 22, 2021

Attachment A

Screening and Cable Protection Services Scope & Pricing

1) Receipt of all dig requests through the Miss Dig System 24 hours a day for the specific Town, Range and Sections that contain Camp Grayling' fiber optic facilities

2) Verification and logging of all communications with contractors pertaining to any specific dig request

3) Dispatching of technicians to all locations that involve proposed excavation that could come in conflict with customer's underground facilities

4) The understanding that if it is discovered through the screening process that either a field investigation or actual locating and marking of the underground facilities is necessary as a result of the proposed excavation, the actual field work will be performed and billed on a time and materials basis at the rates listed in attachment A.

5) Dispatch of technicians on any 'emergency' after-hours dig requests that pose a conflict with the customer's underground fiber optic routes within three hours of the emergency call from Western Tel-Com, Inc' answering service.

6) WTC agrees to be both practically and financially responsible for the prompt repair of any damaged underground utility directly related to the above-described work resulting from non-performance or a failure to perform in a workmanlike manner. WTC maximum payout for damage will be $5,000.00 per occurrence. WTC shall not be liable for any lost profits, consequential damages or incidental damages which are either directly or indirectly related to the work performed under this contract. Customer agrees to promptly notify WTC of any claim that it has under this agreement. To the extent feasible, WTC shall be afforded an opportunity to repair any damage.

7) Miss Dig requires membership of facility owners. This is an annual cost billed directly to the customer, cost is based on ticket volume, costs range from $1000.00 to $3000.00. WTC will assist the customer through the set up process.

WESTERN TEL-COM, INC.

Western Tel-Com
Unit Price Schedule
NOTES:

Rates are based on hours from 7:00am to 3:30pm,
Emergency during regular hours - Additional 10%
Emergency after regular hours Monday- Saturday - Additional 50%
Emergency during Sundays & Holidays - Additional 100%

HOURLY LABOR AND EQUIPMENT RATES

On-Call Fee (per Miss Dig member)	Annual	$1,500.00
Screening Miss Dig Tickets	Per ticket	$3.00
Staking (Includes Vehicle)	per hour	$69.00
Site Visit (Includes Vehicle)	per hour	$69.00
Emergency After Hour Call	per call	$38.00

In the event there is an emergency repair call out

Supervisor	per hour	$85.00
Laborer	per hour	$65.00
2 Person Underground Crew	per hour	$260.00
2 Person Aerial Crew	per hour	$200.00
1 Person Splice Crew	per hour	$110.00

STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES

Department of Technology, Management, and Budget
525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **6**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE			
	Program Manager	Ashley Adrian	DTMB
		517-284-7454	
		AdrianA1@michigan.gov	
	Contract Administrator	Mike Breen	DTMB
		(517) 249-0428	
		breenm@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2020

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS	EXTENDED PURCHASING
☐ P-Card ☐ PRC ☐ Other	☒ Yes ☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☐	five one year options	☒	five years	August 5, 2025

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$11,000,000.00	$0.00	$11,000,000.00

DESCRIPTION

Effective with State Administrative Board 5/19/2020 and mutual signature the contract is amended via Chapter 5.7.6 Useful Life with five years base extension and 5 one year options. All other terms and conditions remain the same.

STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES

Department of Technology, Management, and Budget

525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **5**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE			
	Program Manager	Ashley Adrian	DTMB
		517-284-7454	
		AdrianA1@michigan.gov	
	Contract Administrator	Jordan Sherlock	DTMB
		517-243-5556	
		sherlockj@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2019

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
☐ P-Card	☐ PRC	☐ Other	☒ Yes	☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☐		☐		August 20, 2020

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$6,000,000.00	$0.00	$6,000,000.00

DESCRIPTION

Effective 7/3/2019 this is to clarify that Change Notice 2 is null/void. The document was never executed, and the required changes were later carried out in Change Notice 3. All other terms, conditions, specifications and pricing remain the same. Per contractor and agency agreement, and DTMB Procurement approval.

STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES
Department of Technology, Management, and Budget

525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **4**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE		
Program Manager	Ashley Adrian	DTMB
	517-284-7454	
	AdrianA1@michigan.gov	
Contract Administrator	Jordan Sherlock	DTMB
	517-243-5556	
	sherlockj@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2019

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
☐ P-Card	☐ PRC	☐ Other	☒ Yes	☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☒	12 Months	☐		August 5, 2020

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$6,000,000.00	$0.00	$6,000,000.00

DESCRIPTION

Effective 8/6/2019, the State will be excercising (1) option year. The new exiration date is 8/5/2020. All other terms, conditions, specifications and pricing remain the same; per contractor, agency, and DTMB Procurement approval.

STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES

Department of Technology, Management, and Budget
525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **3**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE		
	Ashley Adrian	DTMB
	517-284-7454	
	AdrianA1@michigan.gov	
	Mike Breen	DTMB
	(517) 249-0428	
	breenm@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA DTMB ENTERPRISE

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE CHANGE(S) NOTED HERE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2018

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
☐ P-Card	☐ PRC	☐ Other	☒ Yes	☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

EXERCISE OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☐		☐		August 5, 2019

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$6,000,000.00	$5,000,000.00	$11,000,000.00

DESCRIPTION

Effective with mutual signature and 1/22/2019 State Administrative Board approval the contract is amended to add $5,000,000.00 to support projected projects and operational needs. All other terms and conditions remain the same.

STATE OF MICHIGAN
CENTRAL PROCUREMENT SERVICES

Department of Technology, Management, and Budget
525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **2**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE			
	Program Manager	Ashley Adrian	DTMB
		517-284-7454	
		AdrianA1@michigan.gov	
	Contract Administrator	Mike Breen	DTMB
		(517) 249-0428	
		breenm@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA DTMB ENTERPRISE

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2018

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
☐ P-Card	☐ PRC	☐ Other	☒ Yes	☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☐		☐		August 5, 2019

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$6,000,000.00	$5,000,000.00	$11,000,000.00

DESCRIPTION

Effective with mutual signature and 1/8/2019 State Administrative Board approval the contract is amended to add $5,000,000.00 to support projected projects and operational needs. All other terms and conditions remain the same.

STATE OF MICHIGAN
ENTERPRISE PROCUREMENT

Department of Technology, Management, and Budget
525 W. ALLEGAN ST., LANSING, MICHIGAN 48913
P.O. BOX 30026 LANSING, MICHIGAN 48909

CONTRACT CHANGE NOTICE

Change Notice Number **1**

to

Contract Number **071B3200106**

CONTRACTOR	
	WESTERN TEL-COM
	PO Box 1317
	Holland, MI 49422-0000
	Kurt Friedriechsen
	616-393-0138
	kurtf@westerntel-com.com
	CV0032014

STATE			
	Program Manager	Ashley Adrian	DTMB
		517-284-7454	
		AdrianA1@michigan.gov	
	Contract Administrator	Mike Breen	DTMB
		(517) 249-0428	
		breenm@michigan.gov	

CONTRACT SUMMARY

CABLE MATERIALS & INSTALLATION, VOICE & DATA DTMB ENTERPRISE

INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE
August 6, 2013	August 5, 2018	2 - 1 Year	August 5, 2018

PAYMENT TERMS	DELIVERY TIMEFRAME

ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING	
☐ P-Card	☐ Direct Voucher (DV)	☐ Other	☒ Yes	☐ No

MINIMUM DELIVERY REQUIREMENTS

DESCRIPTION OF CHANGE NOTICE

OPTION	LENGTH OF OPTION	EXTENSION	LENGTH OF EXTENSION	REVISED EXP. DATE
☒	12 months	☐		August 5, 2019

CURRENT VALUE	VALUE OF CHANGE NOTICE	ESTIMATED AGGREGATE CONTRACT VALUE
$6,000,000.00	$0.00	$6,000,000.00

DESCRIPTION

Effective with mutual signature the contract is amended to exercise a one year option to 8/5/2019. All other terms and condtions remain the same.

Program Managers
for
Multi-Agency and Statewide Contracts

AGENCY	NAME	PHONE	EMAIL

Form No. DTMB-3522 (Rev. 4/2012)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Contract will not be executed unless form is filed

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

NOTICE
OF
CONTRACT NO. 071B3200106
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR:	PRIMARY CONTACT	EMAIL
Western Tel-Com	Kurt Friedriechsen	kurtf@westerntel-com.com
P.O. Box 1317	TELEPHONE	CONTRACTOR #, MAIL CODE
Holland, MI 49422-0000	(616) 393-0138	

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
CONTRACT COMPLIANCE INSPECTOR:				
BUYER:	DTMB	Mike Breen	517-241-7720	breenm@michigan.gov

CONTRACT SUMMARY:			
DESCRIPTION: Descriptive Contract Title (Not always the same language as provided in MAIN)			
Cable Materials and Installation, Voice & Data DTMB Enterprise			
INITIAL TERM	EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS
5 years	August 6, 2013	August 5, 2018	
PAYMENT TERMS	F.O.B	SHIPPED	SHIPPED FROM
N/A	N/A	N/A	N/A
ALTERNATE PAYMENT OPTIONS:			AVAILABLE TO MiDEAL PARTICIPANTS
☐ P-card ☐ Direct Voucher (DV) ☐ Other			☐ YES ☐ NO
MINIMUM DELIVERY REQUIREMENTS:			
N/A			
MISCELLANEOUS INFORMATION:			
N/A			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION:	$6,000,000.00		

THIS IS NOT AN ORDER: This Contract Agreement is awarded on the basis of our inquiry bearing the solicitation #084R3200018**. Orders for delivery will be issued directly by the Department of Technology, Management & Budget through the issuance of a Purchase Order Form.**

Form No. DTMB-3522 (Rev. 4/2012)
AUTHORITY: Act 431 of 1984
COMPLETION: Required
PENALTY: Contract will not be executed unless form is filed

STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

CONTRACT NO. 071B3200106
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF CONTRACTOR:	PRIMARY CONTACT	EMAIL
Western Tel-Com	Kurt Friedriechsen	kurtf@westerntel-com.com
P.O. Box 1317	TELEPHONE	CONTRACTOR #, MAIL CODE
Holland, MI 49422-0000	(616) 393-0138	

STATE CONTACTS	AGENCY	NAME	PHONE	EMAIL
CONTRACT COMPLIANCE INSPECTOR:				
BUYER:	DTMB	Mike Breen	517-241-7720	breenm@michigan.gov

CONTRACT SUMMARY:			
DESCRIPTION: Descriptive Contract Title (Not always the same language as provided in MAIN)			
Cable Materials and Installation, Voice & Data DTMB Enterprise			
INITIAL TERM	EFFECTIVE DATE	INITIAL EXPIRATION DATE	AVAILABLE OPTIONS
5 years	August 6, 2013	August 5, 2018	
PAYMENT TERMS	F.O.B	SHIPPED	SHIPPED FROM
N/A	N/A	N/A	N/A
ALTERNATE PAYMENT OPTIONS:			AVAILABLE TO MiDEAL PARTICIPANTS
☐ P-card ☐ Direct Voucher (DV) ☐ Other			☐ YES ☐ NO
MINIMUM DELIVERY REQUIREMENTS:			
N/A			
MISCELLANEOUS INFORMATION:			
N/A			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION:	$6,000,000.00		

THIS IS NOT AN ORDER: This Contract Agreement is awarded on the basis of our inquiry bearing the solicitation #084R3200018**. Orders for delivery will be issued directly by the Department of Technology, Management & Budget through the issuance of a Purchase Order Form.**

FOR THE CONTRACTOR:	FOR THE STATE:
Western Tel-Com	
Firm Name	Signature
	Genevieve Hayes, Acting IT Division Director
Authorized Agent Signature	Name/Title
	DTMB Procurement
Authorized Agent (Print or Type)	Enter Name of Agency
Date	Date

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Attachment A: Pricing Matrix *Error! Bookmark not defined.*

Attachment B: Secured Facilities *Error! Bookmark not defined.*

Glossary

Days	Means calendar days unless otherwise specified.
24x7x365	Means 24 hours a day, seven days a week, and 365 days a year (including the 366th day in a leap year).
Additional Service	Means any Services/Deliverables within the scope of the Contract, but not specifically provided under any Statement of Work, that once added will result in the need to provide the Contractor with additional consideration.
Audit Period	See Section 2.110
Business Day	Whether capitalized or not, shall mean any day other than a Saturday, Sunday or State-recognized legal holiday (as identified in the Collective Bargaining Agreement for State employees) from 8:00am EST through 5:00pm EST unless otherwise stated.
Blanket Purchase Order	An alternate term for Contract as used in the States computer system.
Business Critical	Any function identified in any Statement of Work as Business Critical.
Chronic Failure	Defined in any applicable Service Level Agreements.
Deliverable	Physical goods and/or commodities as required or identified by a Statement of Work
DTMB	Michigan Department of Technology, Management and Budget
Environmentally preferable products	A product or service that has a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. Such products or services may include, but are not limited to, those that contain recycled content, minimize waste, conserve energy or water, and reduce the amount of toxics either disposed of or consumed.
Excusable Failure	See Section 2.244.
Hazardous material	Any material defined as hazardous under the latest version of federal Emergency Planning and Community Right-to-Know Act of 1986 (including revisions adopted during the term of the Contract).
Incident	Any interruption in Services.
ITB	A generic term used to describe an Invitation to Bid. The ITB serves as the document for transmitting the RFP to potential bidders
Key Personnel	Any Personnel designated in Article 1 as Key Personnel.
New Work	Any Services/Deliverables outside the scope of the Contract and not specifically provided under any Statement of Work, that once added will result in the need to provide the Contractor with additional consideration.
Ozone-depleting substance	Any substance the Environmental Protection Agency designates in 40 CFR part 82 as: (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or (2) Class II, including, but not limited to, hydro chlorofluorocarbons
Post-Consumer Waste	Any product generated by a business or consumer which has served its intended end use, and which has been separated or diverted from solid waste for the purpose of recycling into a usable commodity or product, and which does not include post-industrial waste.
Post-Industrial Waste	Industrial by-products that would otherwise go to disposal and wastes generated after completion of a manufacturing process, but do not include internally generated scrap commonly returned to industrial or manufacturing processes.
Recycling	The series of activities by which materials that are no longer useful to the generator are collected, sorted, processed, and converted into raw materials and used in the production of new products. This definition excludes the use of these materials as a fuel substitute or for energy production.
Deleted – Not Applicable	Section is not applicable or included in this RFP. This is used as a placeholder to maintain consistent numbering.
Reuse	Using a product or component of municipal solid waste in its original form more than once.

RFP	Request for Proposal designed to solicit proposals for services
Services	Any function performed for the benefit of the State.
Source reduction	Any practice that reduces the amount of any hazardous substance, pollutant, or contaminant entering any waste stream or otherwise released into the environment prior to recycling, energy recovery, treatment, or disposal.
State Location	Any physical location where the State performs work. State Location may include state-owned, leased, or rented space.
Subcontractor	A company Contractor delegates performance of a portion of the Services to, but does not include independent contractors engaged by Contractor solely in a staff augmentation role.
Unauthorized Removal	Contractor's removal of Key Personnel without the prior written consent of the State.
Waste prevention	Source reduction and reuse, but not recycling.
Waste reduction and Pollution prevention	The practice of minimizing the generation of waste at the source and, when wastes cannot be prevented, utilizing environmentally sound on-site or off-site reuse and recycling. The term includes equipment or technology modifications, process or procedure modifications, product reformulation or redesign, and raw material substitutions. Waste treatment, control, management, and disposal are not considered pollution prevention, per the definitions under Part 143, Waste Minimization, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended.
Work in Progress	A Deliverable that has been partially prepared, but has not been presented to the State for Approval.
Work Product	Refers to any data compilations, reports, and other media, materials, or other objects or works of authorship created or produced by the Contractor as a result of an in furtherance of performing the services required by this Contract.

Article 1 – Statement of Work (SOW)

1.0 Project Identification

1.001 PROJECT REQUEST

The State of Michigan (State), through the Michigan Department of Technology, Management & Budget (DTMB), has issued this contract for an information transport system (ITS) installation contractor to furnish and install new materials per State provided specifications and drawings. There are State-owned and/or leased buildings and campuses which may require new and/or upgraded information transport infrastructure. The Contractor will provide an end-to-end ITS solution which will consist of new materials, labor and tools required to install, terminate, and test the information transport system. The ITS installation company is to perform services for the Department of Technology, Management and Budget in support of any State agency requesting these services. The infrastructure materials and labor to install said materials shall meet ANSI EIA/TIA, NFPA and BICSI standards and UL Listed. In addition, all applicable National Electric Codes, Building Codes, local codes and any other jurisdictional requirements are to be met.

To the best of the State's knowledge, the information provided is accurate. However, the State does not warrant such accuracy, and any variations subsequently determined will not be construed as a basis for invalidating the contract. The State reserves the right to cancel this contract per terms and conditions.

1.002 BACKGROUND

The Michigan Department of Technology, Management and Budget-Telecommunications and Network Management Division is mandated to manage, maintain and provision cost effective voice, data, video and any other required telecommunication products and services that enable the agencies of the State of Michigan to productively conduct their functions in a timely manner.

The placement of information transport systems is required to provide State communication network connectivity in support of all branches of State government. The job locations may be throughout the State of Michigan.

1.1 Scope of Work and Deliverables

1.101 IN SCOPE

Contractor will provide the following services for the complete and successful addition of **Information Transport Systems (ITS)** which may consist of fiber optic cable and/or copper cable for the State's communication network.

- Project Design and Discovery
- Project Work Plan Development
- Furnish and install materials and associated equipment
- Provide As Built Drawings and Specifications
- Conduct Testing and Provide Test Results
- Restoration
- Obtain Required Permits

The State seeks to have services begin upon execution of the Contract.

The contract has a term of five (5) years and two (2) one-year options.

*A more complete description of the supplies and/or services sought for this project is provided in Section 1.104, Work and Deliverables.

1.102 OUT OF SCOPE

The following are out of the scope of this contract:

- Integration to electronic equipment including jumper cables(will be handled internally by DTMB).

1.103 ENVIRONMENT

1) Zones:
The State requires a pricing structure for each of the seven (7) geographic areas (zones) described as follows:

The area within the below-stated boundaries is **Zone 1**. the Detroit Metropolitan Area, Ann Arbor, Flint and Port Huron are part of Zone 1.

Zone 1:	**East boundary**:	Lake Erie, Detroit River, Lake St. Clair, St. Clair River and Lake Huron.
Zone 1:	**South boundary**:	Michigan State line from Lake Erie west to State Route 52.
Zone 1:	**West boundary:**	State Route 52 from the Michigan State line north to I94. I94 East to US-23. US-23 North to State Route 57.
Zone 1:	**North boundary:**	State Route 57 at US-23 West to State Route 15. State Route 15 South to I-69 East. I-69 East to St. Clair River and/or Lake Huron.

The area within the below-stated boundaries is **Zone 2**.

Zone 2:	**East boundary**:	State Route 52 North from the Michigan State line to I94. I94 East to US-23. US-23 North to State Route 57.
Zone 2:	**South boundary**:	Michigan State line from State Route 52 west to I-69.
Zone 2:	**West boundary:**	I-69 North to I94 West to State Route 66 North to State Route 57.
Zone 2:	**North boundary:**	State Route 57 East from State Route 66 to US-23.

The area within the below-stated boundaries is **Zone 3.**

Zone 3:	**East boundary**:	Lake Huron from I-69 north to I-75.
Zone 3:	**South boundary**:	I-69 at Lake Huron west to State Route 15 North to State Route 57 West to US-27.
Zone 3:	**West boundary:**	US-27 at State Route 57 North to I-75 North to Lake Michigan shoreline.
Zone 3:	**North boundary:**	Lower Peninsula, Lake Michigan shoreline East of I-75 south to I-69.

The area within the below-stated boundaries is **Zone 4.** As a point of clarification be aware that Muskegon is included as part of Zone 4.

Zone 4:	**East boundary**:	US-27 at State Route 57 North to I-75 North to Lake Michigan shoreline.
Zone 4:	**South boundary**:	State Route 46 at Lake Michigan south of Muskegon East to State Route 57 East to Us-27.
Zone 4:	**West boundary:**	Lower Peninsula, Lake Michigan shoreline bordering West side of State of Michigan at State Route 46 North to I-75 at Mackinaw Bridge.
Zone 4:	**North boundary:**	Lower Peninsula, Lake Michigan shoreline West of I-75 at Mackinaw Bridge.

The area within the below-stated boundaries is **Zone 5.**

Zone 5:	**East boundary**:	I-69 at the Michigan State line North to I94 West to State Route 66 North to State Route 57.
Zone 5:	**South boundary**:	Michigan State line from I-69 west to Lake Michigan shoreline.

Zone 5:	**West boundary:**	Lake Michigan shoreline from Michigan State line to State Route 46 at Lake Michigan shoreline south of Muskegon.
Zone 5:	**North boundary:**	Route 46 at Lake Michigan shoreline south of Muskegon east to State Route 57 east to US-27.

The area within the below-stated boundaries is **Zone 6.** Escanaba is included as part of Zone 6.

Zone 6:	**East boundary**:	Michigan Upper Peninsula farthest point east
Zone 6:	**South boundary**:	Upper Peninsula Lake Michigan and Lake Huron shoreline most easterly point to US-41 at Lake Michigan.
Zone 6:	**West boundary:**	US-41 at Lake Michigan shoreline north to Lake Superior shoreline.
Zone 6:	**North boundary:**	Lake Superior shoreline at US-41 east to most easterly point of Michigan Upper Peninsula.

The area within the below-stated boundaries is **Zone 7.**

Zone 7:	**East boundary**:	US-41 at Lake Michigan shoreline north to Lake Superior shoreline.
Zone 7:	**South boundary**:	Lake Michigan shoreline west of US-41 to Michigan Wisconsin border.
Zone 7:	**West boundary:**	Michigan Wisconsin border from Lake Michigan to Lake superior.
Zone 7:	**North boundary:**	Lake Superior shoreline from the Michigan Wisconsin border to US-41 at Lake Superior shoreline.

2) Technical Environment:

The State's technical environment for this contract consists of:

- 8.3 micron single mode fiber optic cable
- 50.0 micron multi-mode fiber optic cable
- 62.5 micron multi-mode fiber optic cable
- ST Connectors
- SC Connectors
- LC Connectors
- Termination Shelves
- Mounting hardware
- Terminal Strips
- Equipment Racks
- Distributing Frame equipment
- Miscellaneous construction materials (nails, screws, glue, batons, etc.)
- Cat 5E UTP
- Cat 6 UTP
- Cat 6A UTP
- Copper riser cables with various number of conductor pairs
- Firestopping materials
- Telephone ground systems
- Cable Trays
- Aerial Cable construction
- Buried conduit and cable construction
- Underground conduit and cable construction

3) Methods, Policies, Standards and Guidelines:

The links below provide information on the State's Enterprise information technology (IT) policies, standards and procedures which includes security policy and procedures, IT strategic plan, eMichigan web development and the State Unified Information Technology Environment (SUITE).

Contractor is advised that the State has methods, policies, standards and procedures that have been developed over the years. Contractor is expected to provide proposals from statements of work that conform to State IT policies and standards. All services and products provided as a result of this contract must comply with all applicable State IT policies and standards. The Contractor is required to review all applicable links provided below and state compliance in their response to all statement of work requests.

Enterprise IT Policies, Standards and Procedures:
http://www.michigan.gov/dmb/0,1607,7-150-56355-107739--,00.html

All software and hardware items provided by the Contractor must run on and be compatible with the MDTMB Standard Information Technology Environment. Additionally, the State must be able to maintain software and other items produced as the result of the Contract. Therefore, non-standard development tools may not be used unless approved by MDTMB. The Contractor must request, in writing, approval to use non-standard software development tools, providing justification for the requested change and all costs associated with any change. The MDTMB Project Manager must approve any tools, in writing, before use on any information technology project.

It is recognized that technology changes rapidly. The Contractor may request, in writing, a change in the standard environment, providing justification for the requested change and all costs associated with any change. The State's Project Manager must approve any changes, in writing, before work may proceed based on the changed environment.

Enterprise IT Security Policy and Procedures:
http://www.michigan.gov/documents/dmb/1310_183772_7.pdf
http://www.michigan.gov/documents/dmb/1310.02_183775_7.pdf
http://www.michigan.gov/documents/dmb/1325_193160_7.pdf
http://www.michigan.gov/documents/dmb/1335_193161_7.pdf
http://www.michigan.gov/documents/dmb/1340_193162_7.pdf
http://www.michigan.gov/documents/dmb/1350.10_184594_7.pdf

The State's security environment includes:

MDTMB Single Login.
MDTMB provided SQL security database.
Secured Socket Layers.
SecureID (State Security Standard for external network access and high risk Web systems)

IT Strategic Plan:
http://www.michigan.gov/itstrategicplan

IT eMichigan Web Development Standard Tools:
http://www.michigan.gov/documents/som/Look_and_Feel_Standards_302051_7.pdf

The State Unified Information Technology Environment (SUITE):
Includes standards for project management, systems engineering, and associated forms and templates – must be followed: http://www.michigan.gov/suite

1.104 WORK AND DELIVERABLE

The Contractor shall provide Deliverables/Services and staff, and otherwise do all things necessary for or incidental to the performance of work, as set forth below and in the attachments.

A. Mandatory Requirements – Contractor shall meet the following requirements:

Mandatory Requirements	Yes/No	Response to Requirement
1. Standards		
a. The infrastructure materials and labor to install said materials shall meet ANSI EIA/TIA, NFPA and BICSI standards and UL Listed.	yes	Contractor has personnel that are BICSI certified and are sent to training annually to keep up on standards.
b. All applicable National Electric Codes, Building Codes, Local Codes and any other jurisdictional requirements shall be met.	yes	Contractor during project planning identifies and adheres to all applicable codes and standards
c. The installation of materials for this project shall conform to the latest accepted best practices as specified by Occupational Safety and Health Administration (OSHA), Michigan Occupational Safety and Health Administration (MIOSHA), National Electrical Safety Code (NESC).	yes	Contractor has a safety program that adheres to all OSHA, MIOSHA and NESC codes and standards.
d. Must be a member of BICSI0	yes	Kurt Friedriechsen, RCDD is a member through December 2013. Certs are attached
e. Must comply with all local and national electrical and building codes.	yes	Contractor during project planning, identifies and adheres to all applicable codes and standards
f. Must be constructed in accordance with the instructions in the individual project scope of work.	yes	
2. Delivery		
a. The deliverables shall be shipped F.O.B. Destination directly to each entity, unless otherwise requested, and to the exact locations shall be specified in the purchase order.	yes	Contractor and its suppliers have the ability to deliver material to any location requested.
b. If, during the term of the proposed Contract agreement, Contractor enters into a contract with any other customer for substantially the same quantity, equipment, fiber cable, related material, terms and conditions for a lower cost, Contractor will offer the same decrease in rates to the State.	yes	Cost reductions in material will be passed on to the State. Contractor will inform the contract administrator, in writing, of the cost reduction and request the contract be amended to include the prices.
3. Installation requirements		
a. Must meet all manufacturers' installation requirements.	yes	Contractor's personnel are trained and certified to install all products quoted
b. The Contractor will maintain a work area free of debris, trash, empty cable reels, scrap cable, etc. and dispose of such items on a daily basis.	yes	Clean work areas are part of contractor's safety practices; personnel are required to maintain Clean job sites.
c. The Contractor is to provide building protection to walls and floors as required in order to maintain startup condition of the building.	yes	Contractor during project planning phase, will determine what protective actions are required to protect the condition of the building.
d. All penetration of firewalls used by the Contractor will be sealed by the Contractor with an approved fire rated sealant.	yes	Contractor utilizes NFPA, NESC, BICSI and EIA/TIA approved methods for fire-stopping/sealing penetrations and conduit
e. All conduits, other than those used for flush mount information outlets; will be sealed by the Contractor. The sealant will be an approved fire rated sealant.	yes	Contractor utilizes NFPA, NESC, BICSI and EIA/TIA approved methods for fire-stopping/sealing penetrations and conduit
f. The Contractor will not compromise safe work techniques nor a safe work environment during any portion of work associated with any resulting contract/contracts. Safety to life and property are of the utmost importance.	yes	Contractor has Safety practices and Meetings to ensure this.
g. All materials are to be new and 100% free of defects.	yes	Contractor guarantees that all material is new and free from defects. WTC will replace any materials that are not at no cost to the State.
4. Testing and Functionality		
a. All fiber strands within fiber optic cable placed shall be functional and tested with an OTDR to maximum capacity	yes	Contractor's personnel are trained by the manufacturer in installation and testing to

Mandatory Requirements	Yes/No	Response to Requirement
according to the manufacturer's specifications.		utilize the products maximum capacity.
b. Fiber cables shall be tested bidirectional at 1310 nm and 1550 nm with a maximum cable attenuation of .5 dB/km at 1310 nm and .4 dB/km at 1550 nm.	yes	Contractor will meet or exceed these testing specifications.
c. All fibers spliced and terminated shall be functional to the maximum requirements of the cable manufacturer's specifications.	yes	Contractor's personnel are trained by the manufacturer in installation and testing to utilize the products maximum capacity.
5. Information Transport System		
a. The system enables optical telecommunication information equipment to transport and receive light signals between data centers.	yes	Contractor can build or maintain a transport system to maximize the performance of the network.
b. The system provides the ability of interconnection and interoperability at Layer 1 of the OSI (Open System Interconnection) Model between this information transport system and other State information transport systems and networks.	yes	Contractor can build or maintain a transport system to maximize the performance of the network, wide area networks, and structured cabling systems.
c. The system is part of an information network that enables agencies to communicate within themselves and with other agencies in diverse locations and over large distances.	yes	Contractor can build or maintain a transport system to maximize the performance of the network. Wide area networks and structured cabling systems.
d. The system is normally available for usage by the agencies 24/7 and 365.	yes	Contractor has personnel on call 24/7/365 to maintain network integrity.
e. The system complies with all national and local Electrical and Building Codes and Standards.	yes	Contractor's personnel adhere to all local and national codes and standards.
6. Fiber Cable Protection		
a. The fiber cable shall be protected from lightning damage and mechanical damage by an internal metallic armored layer which shall be grounded in accordance with industry Standards, manufacturer's instructions and applicable electrical Codes.	yes	All fiber shall have an armored sheath and shall be protected according to NESC, NFPA, BICSI and EIA/TIA codes and standards. Contractor's personnel are updated on grounding codes annually.
b. Contractor shall provide adequate personnel equipped with fiber splicing / repair material and tools to restore any Contractor-created outages to the existing in-place fiber network.	yes	Contractor's personnel are trained in fiber outage emergency responses. Contractor stocks fiber cable and accessories for restoration purposes.
c. Contractor shall report any repair at their own cost any damages to the existing in-place fiber network that are a result of contractors work.	yes	Contractor has the trained personnel and equipment to repair any fiber damaged and will do so at no cost to the customer, to the owner's satisfaction.
7. Warranties		
a. The equipment manufacturer shall provide a warranty that covers product, labor, and future applications for a minimum of 20 years.	yes	Commscope supplies this warranty for all of its SCS products, Systimax and Uniprise lines.
b. Warranty commences on the date products are accepted by the State.	yes	The warranty will take affect the date the project is accepted by the State
c. All applicable third party warranties for deliverables are assigned to the State.	yes	Any and all third party warranties will be assigned to the State.

B. Services to be Provided

The State will provide to the Contractor a description of the project scope and the Contractor is to fulfill these requirements as required by the State in a reasonable and timely manner. The Contractor must have the ability to respond on short notice. Although, short notice will be the exception, the Contractor must be aware of this possibility. There is the possibility that the Contractor may be required to contact and meet with various agencies of the State; it is also possible that total, partial, or no Contractor services may be requested. Written reports of all meetings attended and/or quality audits performed by the Contractor must be provided to the State's Contract Manager. Section 1.104.B outlines tasks, which may or may not be required by the Contractor. The State will make determination of which services, if any are required on a job by job basis.

Nothing contained in this Contract is intended nor shall be construed as creating any requirements contract with the Contractor. This Contract does not restrict the State or its agencies from acquiring similar, equal or like goods and/or services from other sources.

The State is not constrained from adding additional steps, subtasks or elements deemed necessary to deliver the services and Deliverables identified in this Section.

All activities that are contracted as a result of this contract, including, but not limited to, labor, materials, reports and any correspondence will be coordinated with the Contractor's Contract Administrator or their duly assigned designee.

Contractor will provide at the State's request the following:

1. **Project Design and Discovery**
   The following is a preliminary analysis of the major tasks involved in developing the end product of this project. The Contractor is not, however; constrained from supplementing this listing with additional steps, subtasks or elements deemed necessary to permit the development of alternative approaches or the application of proprietary analytical techniques. It is the State's responsibility to select projects and work operations which will involve the Contractor. The State will submit to the contractor in writing, the selected project, expected Contractor involvement and required schedule.

   The table that follows provides an overview of a typical project process flow and associated deliverables for the project phases:

Task	Description of Tasks	Contractor Role/ (Deliverable)	State Role
Walkthrough	Identify work to be done by Contractor	Provide Contractor with deliverable requirements as a result of the walkthrough	Schedule, identify location and inform Contractor of walkthrough
Preparation	Procurement of materials, work planning and scheduling and clarification of roles	Contractor to provide project plan, procure materials, identify key personnel ,and identify single point of contact,	Identify State's project manager, co-ordinate building access and schedule project meetings
Production	Furnish and install fiber optic cable and associated equipment	Contractor installs all materials in accordance with cable design.	Identify and assist in resolution of problems that arise. Verify project progress quality of workmanship and materials
Control	Project meetings, status reports and site inspections	Contractor to provide status reports and attend project meetings as required	Attend project meeting as required and validate progress as reported by Contractor
Acceptance	Verify deliverables and perform final walkthrough. Project billing closeout.	Contractor assures deliverables meet or exceed acceptance expectations of the State and provides as-built drawings and test results for each fiber that are within acceptable limits of the design. Contractor submits final invoice to include all remaining charges	State to create punch list as result of final walkthrough. Contractor is to correct all defects listed on punch list. Perform final walkthrough once punch list items have been cleared by Contractor. State project manager processes Contractor's final invoice for payment.

2. **Project Work Plan Development**
The Contractor will develop work plans and schedules. The Contractor work plan shall indicate the number of person-hours allocated for each task including a PERT-type display, time related, showing each event, task, and decision point in the work plan. Contracted work plans must be agreed upon by the DTMB duly assigned Project Manager prior to start of job. A copy of the approved work plans along with State provided specifications and drawings will be on the job site at all times during this installation. Location of equipment must be adhered to unless a change is authorized by the duly delegated DTMB Project Manager. The only person and/or persons having the authority to make changes to the work plan is/are the DTMB duly-assigned Project Manager(s). All changes must be approved in writing prior to change taking place. It is conceivable that the Contractor may contact the DTMB Project Manager by telephone and explain the requested changes. At that point in time the Project Manager may fax to the Contractor the authority for the change.

The Contractors installation crew will be completely familiar with of the work plans and contract requirements.

Contractor project Manager and or RCDD will coordinate with DTMB and the general contractor (if applicable), and then develop a work plan and schedule. The schedule will take into account other trades work as well as any deadlines required by the State. Contractor PM will then submit for review the work plan and schedule, identifying the material needed and the personnel assigned to the project. When approved by the State Contractor, PM will then hold a kick-off meeting with the construction foreman and crew to review the work plan and schedule. During this meeting the PM will also go over the technical specifications for this project.

3. **Furnish and install materials and associated equipment**
Contractor to furnish and install new materials per State-provided specifications and drawings.

The Contractor is responsible for providing all supervision, labor, tools, test sets, equipment, hardware, cabling materials, transportation, as well as hauling and hoisting miscellaneous materials as part of any resulting contract(s).

4. **Provide As Built Drawings and Specifications**
As part of the hardware and services to be delivered, the Contractor will furnish two (2) complete sets of Registered Communications Distribution Designer (RCDD) certified as-built drawings and as-built specifications as required to the DTMB Telecommunications Project Manager within three weeks of project completion and installation. The Contractor must provide the State with as-built drawings that depict discrepancies, changes and additions relating to the installation of the actual physical cable, terminations and associated equipment and hardware. The as-built drawings will be generated on drawings furnished to the Contractor by the DTMB Project Manager. The as-built drawings may include jack location including identification numbers, detailed length of cable runs and type of cable and hardware.

The RCDD must have first hand knowledge concerning the accuracy of the as- built drawings and as-built specifications.

Contractor shall include on its as-built drawings the following information: Jack locations, jack label, cable runs, cable lengths, equipment room layouts and the associated equipment and hardware and any other requirement the state may have.

Contractor's RCDD shall review all of the as-built drawings and stamp them with the RCDD number and the RCDD's signature. The RCDD shall have knowledge of the State projects from the initial phases of the project.

5. **Conduct Testing and Provide Test Results**
Test records including Optical Time Domain Reflectometer (OTDR) printouts shall be provided to the State upon submission of each deliverable.

Copper Cable Testing

All cables, copper and fiber, will be tested by the contractor to ensure compliance with ANSI EIAITIA standards for the particular type cable being tested. All copper cables will terminate on modular hardware at the work station. All copper cables, including terminating hardware, will be tested using a "Wavetech" or equivalent test set. Hard copies of test set printouts will be turned over to the State as part of the final job papers. The test results pertaining to copper cable, at a minimum, will reveal:

Site Name
Circuit ID
Technician
Date
Cable Category (Type)
Length
Capacitance (pflft)
Attenuation and Frequency (Mhz and db)
Resistance (Ohms)
Signal to Noise Ratio
Noise
Impedance (Ohms)
Near End Crosstalk
PassIFail

Copper cable test results will be required to be turned over to the State as a hard paper copy and/or a CD.

Fiber Cable Testing

All fiber cable will be tested using an Optical Time Domain Reflectometer (OTDR). Test results for each strand and terminating hardware will be turned over to the State as part of the final job papers. Fiber cable will be tested in both directions at 850 and 1300 nanometers. Test results are to be recorded on a summary sheet. The sheet is to be provided as a hard paper copy and/or a CD. This sheet, at a minimum, will indicate:

Site Name
Circuit ID
Circuit ID
Technician
Date
Cable Type (Multi or Single Mode)
DB Loss
Length of Strand

Contractor's personnel will be trained by the manufacturer on all test equipment and personnel will be independently trained by BICSI to adhere to all testing standards and requirements.

6. **Restoration**
   The Contractor is responsible to repair any damage caused to the facility as a result of Contractor activity. The restoration will be equal to or better than facility condition at startup.

7. **Obtain Required Permits**
   The Contractor is responsible to obtain any required permits for the work completed by the Contractor. The State will reimburse the Contractor for the actual costs associated with obtaining the permit.

1.2 Roles and Responsibilities

1.201 CONTRACTOR STAFF, ROLES, AND RESPONSIBILITIES

The work is to be performed, completed, and managed at various area locations throughout the State of Michigan as identified in 1.103.1.

Contractor's staff must be able to pass a security clearance check conducted by the Contractor. Contractors must present certifications evidencing satisfactory background checks and drug tests for all staff identified for assignment to this project. Contractor is responsible for any costs associated with ensuring their staff meets all requirements.

The Contractor will identify to the DTMB Project Manager any work that requires building structure modifications. This is to include, but not limited to, core bores, conduits, etc.

1.202 STATE STAFF, ROLES, AND RESPONSIBILITIES

DTMB will be responsible for the State's infrastructure and work together with the Contractor in determining the system configuration.

The State project team will consist of the following members, with the identified responsibilities:

Steering Committee

- Stanley Paterson, DTMB Project Manager, (chairperson of the steering committee.)
- Steven McMahon, DTMB Telecommunication Manager
- Robert Padgett, DTMB Telecommunications and Network Management Director

The Steering Committee will provide the following services:

- Approve the project schedule
- Authorize modifications for scope, resources, and budget of the project
- Ensure senior management commitment to the project
- Act as a final arbiter on proposed changes that significantly affect the business interests of the State

Project Manager/Contract Manager - Stanley Paterson, RCDD, (Registered Communications Distribution Designer)

The Project Manager/Contract Manager will provide the following services:

- Function as the State Subject Matter Expert (SME)
- Resolve project issues in a timely manner
- Review project plan, status, and issues
- Resolve deviations from project plan
- Provide acceptance sign-off
- Utilize change control procedures
- Ensure timely availability of State resources
- Make key implementation decisions, as identified by the Contractor's project manager, within 48-hours of their expected decision date.
- Provide State facilities, as needed
- Coordinate the State resources necessary for the project
- Facilitate coordination between various external contractors
- Facilitate communication between different State departments/divisions (IT-Networking, Integrated Services, Administration, Accounting, Administration etc.)
- Milestone acceptance sign-off
- Resolution of project issues
- Escalation of outstanding/high priority issues
- Utilize change control procedures
- Conduct regular and ongoing review of the project to confirm that it meets original objectives and requirements

- Documentation and archiving of all important project decisions
- Arrange, schedule and facilitate State staff attendance at all project meetings

Project Support

The Project Support function will provide the following services:

- Provide project support for granting access to locations, or additional project information.

Issue Escalation Process

Issues shall be escalated for resolution from level 1 through level 4, as defined below:

Level 1 – Project Support – Chris Fink
Level 2 – Project Manager/Contract Manager– Stanley Paterson, RCDD
Level 3 – Steering Committee Member – Steven McMahon
Level 4 – Steering Committee Member – Robert Padgett

1.3 Project Plan

1.301 PROJECT PLAN MANAGEMENT

A. Orientation Meeting
   1. Upon ten (10) calendar days from execution of the Contract, the Contractor will be required to attend an orientation meeting to discuss the content and procedures of the Contract.
   2. The meeting will be held in Lansing, Michigan, at a date and time mutually acceptable to the State and the Contractor.
   3. The State shall bear no additional cost for the time and travel of the Contractor for attendance at the meeting.

B. Performance Review Meetings
   1. After the initial implementation period, the State may require the Contractor to attend bi-weekly meetings, at a minimum, to review the Contractor's performance under the Contract.
   2. The meetings will be held in Lansing, Michigan, or by teleconference, as mutually agreed by the State and the Contractor.
   3. The State shall bear no additional cost for the time and travel of the Contractor for attendance at the meeting.

C. Project Control
   1. The Contractor will carry out this project under the direction and control of DTMB Telecom.
   2. Within ten (10) working days of the contract execution and prior to the orientation meeting, the Contractor will submit the project plan to the State project manager(s) for final approval.
      a. This project plan must be in agreement with section 1.104 Work and Deliverables, and must include the following:
         i. The Contractor's project organizational structure.
         ii. The Contractor's staffing table with names and titles of personnel assigned to the project. This must be in agreement with staffing of accepted proposal. Necessary substitutions due to change of employment status and other unforeseen circumstances may only be made with prior approval of the State.
         iii. The project breakdown (work plan) showing sub-projects, activities and tasks, and resources required and allocated to each.
         iv. The time-phased plan in the form of a graphic display showing each event, task, and decision point in the work plan.

The Contractor will manage the project in accordance with PMBOK® (Project Management Body of Knowledge from the Project Management Institute) and the state's Project Management Methodology (PMM). Methodology is available at the following link.
http://www.michigan.gov/dit/0,1607,7-139-30637_31101-58009--,00.html

3.
   a. Contractor will use an automated tool for planning, monitoring, and tracking the Contract's progress and the level of effort spent by any Contractor personnel spent performing Services under the Contract.
   b. Contractor shall use automated project management tools, as reasonably necessary, in order to perform the cited Services, which shall include, through the end of the Contract, the capability to produce:
      i. Staffing tables with names of personnel assigned to Contract tasks.
      ii. Project plans showing tasks, subtasks, deliverables, and the resources required and allocated to each (including detailed plans for all Services to be performed within the next sixty (60) calendar days, updated semi-monthly).
      iii. Updates must include actual time spent on each task and a revised estimate to complete.
      iv. Graphs showing critical events, dependencies and decision points during the course of the Contract.
   c. Any tool(s) used by Contractor for such purposes must produce information of a type and in a manner and format that will support reporting in compliance with the State's standard to the extent such standard is described with reasonable detail in the Statement of Work.
   d. Contractor will adhere to the State's PMM and PMBOK. Contractor will provide to the State's PM all of the information in this section prior to the orientation meeting. Contractor's PM and RCDD will attend the orientation meeting. Contractor and the State will schedule performance review meetings and review Contractor reporting procedures, formats and documentation.

1.302 REPORTS

Reporting formats must be submitted to the State's Project Manager for approval within *20* business days after the effective date of the contract resulting from this RFP. Once both parties have agreed to the format of the report, it shall become the standard to follow for the duration of the contract.

Reports are to be furnished by the Contractor weekly during the implementation period, and after that, quarterly. These include all of the following:

- Weekly Project status
- Updated project plan
- Summary of activity during the report period
- Accomplishments during the report period
- Deliverable status
- Schedule status
- Action Item status
- Issues
- Change Control
- Repair status
- Maintenance Activity

1.4 Project Management

1.401 ISSUE MANAGEMENT

An issue is an identified event that if not addressed may affect schedule, scope, quality, or budget.

The Contractor shall maintain an issue log for issues relating to the provision of services under this Contract. The issue management log must be communicated to the State's Project Manager on an agreed-upon schedule, with email notifications and updates. The issue log must be updated and must contain the following minimum elements:

- Description of issue
- Issue identification date

- Responsibility for resolving issue.
- Priority for issue resolution (as determined by the State)
- Resources assigned responsibility for resolution
- Resolution date
- Resolution description

Contractor will maintain an issue log relating to this contract including but not limited to the description, date of the issue, who is responsible for resolving the issue, the priority, the resolution date, and description and will report and provide a copy to the State's project manager.

1.402 RISK MANAGEMENT

A risk is an unknown circumstance or event that, if it occurs, may have a positive or negative impact on the Contract. Risk management generally involves (1) identification of the risk, (2) assigning a level of priority based on the probability of occurrence and impact to the project, (3) definition of mitigation strategies, and (4) monitoring of risk and mitigation strategy.

Contractor's proposal must define risks identified as being significant to the success of a project including how the contractor would propose to effectively monitor and manage these risks, including the reporting of risks to the State.

Upon contract execution, the Contractor will submit a risk management plan to the State for approval within twenty (20) business days after the effective date of the contract resulting from this contract. Once both parties have agreed to the format of the plan, it shall become the standard to follow for the duration of the contract. The frequency of the plan's updates will be with the approval of the State. The risk management plan will be developed in accordance with the State's PMM methodology and the PMBOK® (Project Management Institute).

1.403 CHANGE MANAGEMENT

Change management is defined as the process to communicate, assess, monitor, and control all changes to system resources and processes. The State also employs change management in its administration of the Contract.

If a proposed contract change is approved by the Agency, the Contract Administrator will submit a request for change to the Department of Technology, Management and Budget, Procurement Buyer, who will make recommendations to the Director of Procurement regarding ultimate approval/disapproval of change request. If the DTMB Procurement Director agrees with the proposed modification, and all required approvals are obtained (including State Administrative Board), the Procurement Buyer will issue an addendum to the Contract, via a Contract Change Notice. **Contractors who provide products or services prior to the issuance of a Contract Change Notice by the DTMB Office of Procurement, risk non-payment for the out-of-scope/pricing products and/or services.**

The Contractor must employ change management procedures to handle such things as "out-of-scope" requests or changing business needs of the State while the migration is underway.

The Contractor will employ the change control methodologies to justify changes in the processing environment, and to ensure those changes will not adversely affect performance or availability.

1.5 Acceptance

1.501 CRITERIA

The following criteria will be used by the State to determine Acceptance of the Services and/or Deliverables provided under this SOW.

All materials furnished are to be installed as designed, all projects tasks are to be complete, quality verifications are to be finalized as well as clearing of punchlist items. As-built drawings, Optical Time Domain Reflectometer (OTDR) printouts and test records are to be received by the State.

1.502 FINAL ACCEPTANCE

Final acceptance is expressly conditioned upon completion of all deliverables, completion of all tasks in the project plan as approved, completion of all applicable inspection and/or testing procedures, and the certification by the State that the Contractor has met the defined requirements.

1.6 Compensation and Payment

1.601 COMPENSATION AND PAYMENT

Payment

Contractor will submit properly itemized invoices to:

DTMB – Financial Services
Accounts Payable
P.O. Box 30026
Lansing, MI 48909
or
DTMB-Accounts-Payable@michigan.gov

All Invoices shall provide and itemize, as applicable:

- Contract number;
- Purchase Order number
- Contractor name, address, phone number, and Federal Tax Identification Number;
- Description of any commodities/equipment, including quantity ordered;
- Date(s) of delivery and/or date(s) of installation;
- Price for each item, or Contractor's list Price for each item and applicable discounts;
- Net invoice (**Net 45**) Price for each item;
- Shipping costs;
- Other applicable charges;
- Total invoice Price; and
- Payment terms including any available prompt payment discounts.

Incorrect or incomplete invoices will be returned to Contractor for correction and reissue.

Travel

The State will not pay for any travel expenses, including hotel, mileage, meals, parking, etc. Travel time will not be reimbursed.

Out-of-Pocket Expenses

Contractor out-of-pocket expenses are not separately reimbursable by the State unless, on a case-by-case basis for unusual expenses, the State has agreed in advance and in writing to reimburse Contractor for such an expense at the State's current travel reimbursement rates.

Article 2, Terms and Conditions

2.000 Contract Structure and Term

2.001 CONTRACT TERM

This Contract is for a period of 5 years. All outstanding Purchase Orders must also expire upon the termination for any of the reasons listed in **Section 2.150** of the Contract, unless otherwise extended under the Contract. Absent an early termination for any reason, Purchase Orders issued but not expired, by the end of the Contract's stated term, shall remain in effect for the balance of the fiscal year for which they were issued.

2.002 OPTIONS TO RENEW

This Contract may be renewed in writing by mutual agreement of the parties not less than 30 days before its expiration. The Contract may be renewed for up to 2 additional 1 year periods.

2.003 LEGAL EFFECT

Contractor accepts this Contract by signing two copies of the Contract and returning them to the DTMB-Procurement. The Contractor shall not proceed with the performance of the work to be done under the Contract, including the purchase of necessary materials, until both parties have signed the Contract to show acceptance of its terms, and the Contractor receives a contract release/purchase order that authorizes and defines specific performance requirements.

Except as otherwise agreed in writing by the parties, the State shall not be liable for costs incurred by Contractor or payment under this Contract, until Contractor is notified in writing that this Contract or Change Order has been approved by the State Administrative Board (if required), signed by all the parties and a Purchase Order against the Contract has been issued.

2.004 ATTACHMENTS & EXHIBITS

All Attachments and Exhibits affixed to any and all Statement(s) of Work, or appended to or referencing this Contract, are incorporated in their entirety and form part of this Contract.

2.005 ORDERING

The State must issue an approved written Purchase Order, Blanket Purchase Order, Direct Voucher or Procurement Card Order to order any Services/Deliverables under this Contract. All orders are subject to the terms and conditions of this Contract. No additional terms and conditions contained on either a Purchase Order or Blanket Purchase Order apply unless they are specifically contained in that Purchase Order or Blanket Purchase Order's accompanying Statement of Work. Exact quantities to be purchased are unknown; however, the Contractor will be required to furnish all such materials and services as may be ordered during the Contract period. Quantities specified, if any, are estimates based on prior purchases, and the State is not obligated to purchase in these or any other quantities.

2.006 ORDER OF PRECEDENCE

The Contract, including any Statements of Work and Exhibits, to the extent not contrary to the Contract, each of which is incorporated for all purposes, constitutes the entire agreement between the parties with respect to the subject matter and supersedes all prior agreements, whether written or oral, with respect to the subject matter and as additional terms and conditions on the purchase order must apply as limited by **Section 2.005.**

In the event of any inconsistency between the terms of the Contract and a Statement of Work, the terms of the Statement of Work shall take precedence (as to that Statement of Work only); provided, however, that a Statement of Work may not modify or amend the terms of the Contract. The Contract may be modified or amended only by a formal Contract amendment.

2.007 HEADINGS

Captions and headings used in the Contract are for information and organization purposes. Captions and headings, including inaccurate references, do not, in any way, define or limit the requirements or terms and conditions of the Contract.

2.008 FORM, FUNCTION & UTILITY

If the Contract is for use of more than one State agency and if the Deliverable/Service does not the meet the form, function, and utility required by that State agency, that agency may, subject to State purchasing policies, procure the Deliverable/Service from another source.

2.009 REFORMATION AND SEVERABILITY

Each provision of the Contract is severable from all other provisions of the Contract and, if one or more of the provisions of the Contract is declared invalid, the remaining provisions of the Contract remain in full force and effect.

2.010 Consents and Approvals

Except as expressly provided otherwise in the Contract, if either party requires the consent or approval of the other party for the taking of any action under the Contract, the consent or approval must be in writing and must not be unreasonably withheld or delayed.

2.011 NO WAIVER OF DEFAULT

If a party fails to insist upon strict adherence to any term of the Contract then the party has not waived the right to later insist upon strict adherence to that term, or any other term, of the Contract.

2.012 SURVIVAL

Any provisions of the Contract that impose continuing obligations on the parties, including without limitation the parties' respective warranty, indemnity and confidentiality obligations, survive the expiration or termination of the Contract for any reason. Specific references to survival in the Contract are solely for identification purposes and not meant to limit or prevent the survival of any other section

2.020 Contract Administration

2.021 ISSUING OFFICE

This Contract is issued by the Department of Technology, Management and Budget, Procurement. DTMB-Procurement is the sole point of contact in the State with regard to all procurement and contractual matters relating to the Contract. The DTMB-Procurement Contract Administrator contact information will be provided upon contract award.

2.022 CONTRACT COMPLIANCE INSPECTOR

The Director of DTMB-Procurement directs the Contract Compliance Inspector, or his or her designee, to monitor and coordinate the activities for the Contract on a day-to-day basis during its term. Monitoring Contract activities does not imply the authority to change, modify, clarify, amend, or otherwise alter the prices, terms, conditions and specifications of the Contract. DTMB-Procurement is the only State office authorized to change, modify, amend, alter or clarify the prices, specifications, terms and conditions of this Contract. The Contract Compliance Inspector for this Contract will be provided upon contract award.

2.023 PROJECT MANAGER

A Project Manager will be assigned via each statement of work created for each project.

2.024 CHANGE REQUESTS

The State reserves the right to request from time to time any changes to the requirements and specifications of the Contract and the work to be performed by the Contractor under the Contract. During the course of ordinary business, it may become necessary for the State to discontinue certain business practices or create Additional Services/Deliverables. At a minimum, to the extent applicable, Contractor shall provide a detailed outline of all work to be done, including tasks necessary to accomplish the Additional Services/Deliverables, timeframes, listing of key personnel assigned, estimated hours for each individual per task, and a complete and detailed cost justification.

If the State requests or directs the Contractor to perform any Services/Deliverables that are outside the scope of the Contractor's responsibilities under the Contract ("New Work"), the Contractor must notify the State promptly before commencing performance of the requested activities it believes are New Work. If the Contractor fails to notify the State before commencing performance of the requested activities, any such activities performed before the Contractor gives notice shall be conclusively considered to be in-scope Services/Deliverables and not New Work.

If the State requests or directs the Contractor to perform any services or provide deliverables that are consistent with and similar to the Services/Deliverables being provided by the Contractor under the Contract, but which the Contractor reasonably and in good faith believes are not included within the Statements of Work, then before performing such Services or providing such Deliverables, the Contractor shall notify the State in writing that it considers the Services or Deliverables to be an Additional Service/Deliverable for which the Contractor should receive additional compensation. If the Contractor does not so notify the State, the Contractor shall have no right to claim thereafter that it is entitled to additional compensation for performing that Service or providing that Deliverable. If the Contractor does so notify the State, then such a Service or Deliverable shall be governed by the Change Request procedure in this Section.

In the event prices or service levels are not acceptable to the State, the Additional Services or New Work shall be subject to competitive bidding based upon the specifications.

(1) Change Request at State Request
If the State requires Contractor to perform New Work, Additional Services or make changes to the Services that would affect the Contract completion schedule or the amount of compensation due Contractor (a "Change"), the State shall submit a written request for Contractor to furnish a proposal for carrying out the requested Change (a "Change Request").

(2) Contractor Recommendation for Change Requests:
Contractor shall be entitled to propose a Change to the State, on its own initiative, should Contractor believe the proposed Change would benefit the Contract.

(3) Upon receipt of a Change Request or on its own initiative, Contractor shall examine the implications of the requested Change on the technical specifications, Contract schedule and price of the Deliverables and Services and shall submit to the State without undue delay a written proposal for carrying out the Change. Contractor's proposal shall include any associated changes in the technical specifications, Contract schedule and price and method of pricing of the Services. If the Change is to be performed on a time and materials basis, the Amendment Labor Rates shall apply to the provision of such Services. If Contractor provides a written proposal and should Contractor be of the opinion that a requested Change is not to be recommended, it shall communicate its opinion to the State but shall nevertheless carry out the Change as specified in the written proposal if the State directs it to do so.

(4) By giving Contractor written notice within a reasonable time, the State shall be entitled to accept a Contractor proposal for Change, to reject it, or to reach another agreement with Contractor. Should the parties agree on carrying out a Change, a written Contract Change Notice must be prepared and issued under this Contract, describing the Change and its effects on the Services and any affected components of this Contract (a "Contract Change Notice").

(5) No proposed Change shall be performed until the proposed Change has been specified in a duly executed Contract Change Notice issued by the Department of Technology, Management and Budget, Procurement.

(6) If the State requests or directs the Contractor to perform any activities that Contractor believes constitute a Change, the Contractor must notify the State that it believes the requested activities are a Change before beginning to work on the requested activities. If the Contractor fails to notify the State before beginning to work on the requested activities, then the Contractor waives any right to assert any claim for additional compensation or time for performing the requested activities. If the Contractor commences performing work outside the scope of this Contract and then ceases performing that work, the Contractor must, at the request of the State, retract any out-of-scope work that would adversely affect the Contract.

2.025 NOTICES

Any notice given to a party under the Contract must be deemed effective, if addressed to the party as addressed below, upon: (i) delivery, if hand delivered; (ii) receipt of a confirmed transmission by facsimile if a copy of the notice is sent by another means specified in this Section; (iii) the third Business Day after being sent by U.S. mail, postage pre-paid, return receipt requested; or (iv) the next Business Day after being sent by a nationally recognized overnight express courier with a reliable tracking system.

State:
State of Michigan
Procurement
Attention:
PO Box 30026
530 West Allegan
Lansing, Michigan 48909

Contractor:
Western Tel-Com Inc

Either party may change its address where notices are to be sent by giving notice according to this Section.

2.026 BINDING COMMITMENTS

Representatives of Contractor must have the authority to make binding commitments on Contractor's behalf within the bounds set forth in the Contract. Contractor may change the representatives from time to time upon giving written notice.

2.027 RELATIONSHIP OF THE PARTIES

The relationship between the State and Contractor is that of client and independent contractor. No agent, employee, or servant of Contractor or any of its Subcontractors shall be deemed to be an employee, agent or servant of the State for any reason. Contractor shall be solely and entirely responsible for its acts and the acts of its agents, employees, servants and Subcontractors during the performance of the Contract.

2.028 COVENANT OF GOOD FAITH

Each party shall act reasonably and in good faith. Unless stated otherwise in the Contract, the parties shall not unreasonably delay, condition or withhold the giving of any consent, decision or approval that is either requested or reasonably required of them in order for the other party to perform its responsibilities under the Contract.

2.029 ASSIGNMENTS

Neither party may assign the Contract, or assign or delegate any of its duties or obligations under the Contract, to any other party (whether by operation of law or otherwise), without the prior written consent of the other party; provided, however, that the State may assign the Contract to any other State agency, department, division or department without the prior consent of Contractor and Contractor may assign the Contract to an affiliate so long as the affiliate is adequately capitalized and can provide adequate assurances that the affiliate

can perform the Contract. The State may withhold consent from proposed assignments, subcontracts, or novations when the transfer of responsibility would operate to decrease the State's likelihood of receiving performance on the Contract or the State's ability to recover damages.

Contractor may not, without the prior written approval of the State, assign its right to receive payments due under the Contract. If the State permits an assignment, the Contractor is not relieved of its responsibility to perform any of its contractual duties and the requirement under the Contract that all payments must be made to one entity continues.

If the Contractor intends to assign the contract or any of the Contractor's rights or duties under the Contract, the Contractor must notify the State in writing at least 90 days before the assignment. The Contractor also must provide the State with adequate information about the assignee within a reasonable amount of time before the assignment for the State to determine whether to approve the assignment.

2.030 General Provisions

2.031 MEDIA RELEASES

News releases (including promotional literature and commercial advertisements) pertaining to the RFP and Contract or project to which it relates shall not be made without prior written State approval, and then only in accordance with the explicit written instructions from the State. No results of the activities associated with the RFP and Contract are to be released without prior written approval of the State and then only to persons designated.

2.032 CONTRACT DISTRIBUTION

DTMB-Procurement retains the sole right of Contract distribution to all State agencies and local units of government unless other arrangements are authorized by DTMB-Procurement.

2.033 PERMITS

Contractor must obtain and pay any associated costs for all required governmental permits, licenses and approvals for the delivery, installation and performance of the Services. The State shall pay for all costs and expenses incurred in obtaining and maintaining any necessary easements or right of way.

2.034 WEBSITE INCORPORATION

The State is not bound by any content on the Contractor's website, even if the Contractor's documentation specifically referenced that content and attempts to incorporate it into any other communication, unless the State has actual knowledge of the content and has expressly agreed to be bound by it in a writing that has been manually signed by an authorized representative of the State.

2.035 FUTURE BIDDING PRECLUSION

Contractor acknowledges that, to the extent this Contract involves the creation, research, investigation or generation of a future RFP; it may be precluded from bidding on the subsequent RFP. The State reserves the right to disqualify any Bidder if the State determines that the Bidder has used its position (whether as an incumbent Contractor, or as a Contractor hired to assist with the RFP development, or as a Contractor offering free assistance) to gain a competitive advantage on the RFP

2.036 FREEDOM OF INFORMATION

All information in any proposal submitted to the State by Contractor and this Contract is subject to the provisions of the Michigan Freedom of Information Act, 1976 Public Act No. 442, as amended, MCL 15.231, et seq (the "FOIA").

2.037 DISASTER RECOVERY

Contractor and the State recognize that the State provides essential services in times of natural or man-made disasters. Therefore, except as so mandated by Federal disaster response requirements, Contractor

personnel dedicated to providing Services/Deliverables under this Contract shall provide the State with priority service for repair and work around in the event of a natural or man-made disaster.

2.040 Financial Provisions

2.041 FIXED PRICES FOR SERVICES/DELIVERABLES

Each Statement of Work or Purchase Order issued under this Contract shall specify (or indicate by reference to the appropriate Contract Exhibit) the firm, fixed prices for all Services/Deliverables, and the associated payment milestones and payment amounts. The State may make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly, in amounts approved by the Contract Administrator, after negotiation. Contractor shall show verification of measurable progress at the time of requesting progress payments.

2.042 ADJUSTMENTS FOR REDUCTIONS IN SCOPE OF SERVICES/DELIVERABLES

If the scope of the Services/Deliverables under any Statement of Work issued under this Contract is subsequently reduced by the State, the parties shall negotiate an equitable reduction in Contractor's charges under such Statement of Work commensurate with the reduction in scope.

2.043 SERVICES/DELIVERABLES COVERED

The State shall not be obligated to pay any amounts in addition to the charges specified in this Contract for all Services/Deliverables to be provided by Contractor and its Subcontractors, if any, under this Contract,.

2.044 INVOICING AND PAYMENT – IN GENERAL

(a) Each Statement of Work issued under this Contract shall list (or indicate by reference to the appropriate Contract Exhibit) the prices for all Services/Deliverables, equipment and commodities to be provided, and the associated payment milestones and payment amounts.

(b) Each Contractor invoice shall show details as to charges by Service/Deliverable component and location at a level of detail reasonably necessary to satisfy the State's accounting and charge-back requirements. Invoices for Services performed on a time and materials basis shall show, for each individual, the number of hours of Services performed during the billing period, the billable skill/labor category for such person and the applicable hourly billing rate. Prompt payment by the State is contingent on the Contractor's invoices showing the amount owed by the State minus any holdback amount to be retained by the State in accordance with **Section 1.600**.

(c) Correct invoices shall be due and payable by the State, in accordance with the State's standard payment procedure as specified in 1984 Public Act No. 279, MCL 17.51 et seq., within 45 days after receipt, provided the State determines that the invoice was properly rendered.

(d1) All invoices should reflect actual work done. Specific details of invoices and payments shall be agreed upon between the Contract Administrator and the Contractor after the proposed Contract Agreement has been signed and accepted by both the Contractor and the Director of Procurement, Department of Management & Budget. This activity shall occur only upon the specific written direction from DTMB-Procurement.

The specific payment schedule for any Contract(s) entered into, as the State and the Contractor(s) shall mutually agree upon. The schedule should show payment amount and should reflect actual work done by the payment dates, less any penalty cost charges accrued by those dates. As a general policy statements shall be forwarded to the designated representative by the 15th day of the following month.

The Government may make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly, in amounts approved by the Contract Administrator, after negotiation. Contractor must show verification of measurable progress at the time of requesting progress payments.

2.045 PRO-RATION

To the extent there are Services that are to be paid for on a monthly basis, the cost of such Services shall be pro-rated for any partial month.

2.046 ANTITRUST ASSIGNMENT

The Contractor assigns to the State any claim for overcharges resulting from antitrust violations to the extent that those violations concern materials or services supplied by third parties to the Contractor, toward fulfillment of this Contract.

2.047 FINAL PAYMENT

The making of final payment by the State to Contractor does not constitute a waiver by either party of any rights or other claims as to the other party's continuing obligations under the Contract, nor shall it constitute a waiver of any claims by one party against the other arising from unsettled claims or failure by a party to comply with this Contract, including claims for Services and Deliverables not reasonably known until after acceptance to be defective or substandard. Contractor's acceptance of final payment by the State under this Contract shall constitute a waiver of all claims by Contractor against the State for payment under this Contract, other than those claims previously filed in writing on a timely basis and still unsettled.

2.048 ELECTRONIC PAYMENT REQUIREMENT

Electronic transfer of funds is required for payments on State Contracts. Contractors are required to register with the State electronically at http://www.cpexpress.state.mi.us. As stated in Public Act 431 of 1984, all contracts that the State enters into for the purchase of goods and services shall provide that payment shall be made by electronic fund transfer (EFT).

2.050 Taxes

2.051 EMPLOYMENT TAXES

Contractor shall collect and pay all applicable federal, state, and local employment taxes, including the taxes.

2.052 SALES AND USE TAXES

Contractor shall register and remit sales and use taxes on taxable sales of tangible personal property or services delivered into the State. Contractors that lack sufficient presence in Michigan to be required to register and pay tax must do so as a volunteer. This requirement extends to: (1) all members of any controlled group as defined in § 1563(a) of the Internal Revenue Code and applicable regulations of which the company is a member, and (2) all organizations under common control as defined in § 414(c) of the Internal Revenue Code and applicable regulations of which the company is a member that make sales at retail for delivery into the State are registered with the State for the collection and remittance of sales and use taxes. In applying treasury regulations defining "two or more trades or businesses under common control" the term "organization" means sole proprietorship, a partnership (as defined in § 701(a) (2) of the Internal Revenue Code), a trust, an estate, a corporation, or a limited liability company.

2.060 Contract Management

2.061 CONTRACTOR PERSONNEL QUALIFICATIONS

All persons assigned by Contractor to the performance of Services under this Contract must be employees of Contractor or its majority-owned (directly or indirectly, at any tier) subsidiaries (or a State-approved Subcontractor) and must be fully qualified to perform the work assigned to them. Contractor must include a similar provision in any subcontract entered into with a Subcontractor. For the purposes of this Contract, independent contractors engaged by Contractor solely in a staff augmentation role must be treated by the State as if they were employees of Contractor for this Contract only; however, the State understands that the relationship between Contractor and Subcontractor is an independent contractor relationship.

2.062 CONTRACTOR KEY PERSONNEL

(a) The Contractor must provide the Contract Compliance Inspector with the names of the Key Personnel.

(b) Key Personnel must be dedicated as defined in the Statement of Work to the Project for its duration in the applicable Statement of Work with respect to other individuals designated as Key Personnel for that Statement of Work.

(c) The State shall have the right to recommend and approve in writing the initial assignment, as well as any proposed reassignment or replacement, of any Key Personnel. Before assigning an individual to any Key Personnel position, Contractor shall notify the State of the proposed assignment, shall introduce the individual to the appropriate State representatives, and shall provide the State with a resume and any other information about the individual reasonably requested by the State. The State reserves the right to interview the individual before granting written approval. In the event the State finds a proposed individual unacceptable, the State shall provide a written explanation including reasonable detail outlining the reasons for the rejection.

(d) Contractor must not remove any Key Personnel from their assigned roles on the Contract without the prior written consent of the State. The Contractor's removal of Key Personnel without the prior written consent of the State is an unauthorized removal ("Unauthorized Removal"). Unauthorized Removals does not include replacing Key Personnel for reasons beyond the reasonable control of Contractor, including illness, disability, leave of absence, personal emergency circumstances, resignation or for cause termination of the Key Personnel's employment. Unauthorized Removals does not include replacing Key Personnel because of promotions or other job movements allowed by Contractor personnel policies or Collective Bargaining Agreement(s) as long as the State receives prior written notice before shadowing occurs and Contractor provides 30 days of shadowing unless parties agree to a different time period. The Contractor with the State must review any Key Personnel replacements, and appropriate transition planning will be established. Any Unauthorized Removal may be considered by the State to be a material breach of the Contract, in respect of which the State may elect to exercise its termination and cancellation rights.

(e) The Contractor must notify the Contract Compliance Inspector and the Contract Administrator at least 10 business days before redeploying non-Key Personnel, who are dedicated to primarily to the Project, to other projects. If the State does not object to the redeployment by its scheduled date, the Contractor may then redeploy the non-Key Personnel.

2.063 RE-ASSIGNMENT OF PERSONNEL AT THE STATE'S REQUEST

The State reserves the right to require the removal from the Project of Contractor personnel found, in the judgment of the State, to be unacceptable. The State's request must be written with reasonable detail outlining the reasons for the removal request. Additionally, the State's request must be based on legitimate, good faith reasons. Replacement personnel for the removed person must be fully qualified for the position. If the State exercises this right, and the Contractor cannot immediately replace the removed personnel, the State agrees to an equitable adjustment in schedule or other terms that may be affected by the State's required removal. If any incident with removed personnel results in delay not reasonably anticipatable under the circumstances and which is attributable to the State, the applicable SLAs for the affected Service shall not be counted for a time as agreed to by the parties.

2.064 CONTRACTOR PERSONNEL LOCATION

All staff assigned by Contractor to work on the Contract shall perform their duties either primarily at Contractor's offices and facilities or at State facilities. Without limiting the generality of the foregoing, Key Personnel shall, at a minimum, spend at least the amount of time on-site at State facilities as indicated in the applicable Statement of Work. Subject to availability, selected Contractor personnel may be assigned office space to be shared with State personnel.

2.065 CONTRACTOR IDENTIFICATION

Contractor employees must be clearly identifiable while on State property by wearing a State-issued badge, as required. Contractor employees are required to clearly identify themselves and the company they work for whenever making contact with State personnel by telephone or other means.

2.066 COOPERATION WITH THIRD PARTIES

Contractor agrees to cause its personnel and the personnel of any Subcontractors to cooperate with the State and its agents and other contractors including the State's Quality Assurance personnel. As reasonably requested by the State in writing, the Contractor shall provide to the State's agents and other contractors reasonable access to Contractor's Project personnel, systems and facilities to the extent the access relates to activities specifically associated with this Contract and shall not interfere or jeopardize the safety or operation of the systems or facilities. The State acknowledges that Contractor's time schedule for the Contract is very specific and agrees not to unnecessarily or unreasonably interfere with, delay or otherwise impeded Contractor's performance under this Contract with the requests for access.

2.067 CONTRACT MANAGEMENT RESPONSIBILITIES

Contractor shall be responsible for all acts and omissions of its employees, as well as the acts and omissions of any other personnel furnished by Contractor to perform the Services. Contractor shall have overall responsibility for managing and successfully performing and completing the Services/Deliverables, subject to the overall direction and supervision of the State and with the participation and support of the State as specified in this Contract. Contractor's duties shall include monitoring and reporting the State's performance of its participation and support responsibilities (as well as Contractor's own responsibilities) and providing timely notice to the State in Contractor's reasonable opinion if the State's failure to perform its responsibilities in accordance with the Project Plan is likely to delay the timely achievement of any Contract tasks.

The Contractor shall provide the Services/Deliverables directly or through its affiliates, subsidiaries, subcontractors or resellers. Regardless of the entity providing the Service/Deliverable, the Contractor shall act as a single point of contact coordinating these entities to meet the State's need for Services/Deliverables. Nothing in this Contract, however, shall be construed to authorize or require any party to violate any applicable law or regulation in its performance of this Contract.

2.068 CONTRACTOR RETURN OF STATE EQUIPMENT/RESOURCES

The Contractor shall return to the State any State-furnished equipment, facilities and other resources when no longer required for the Contract in the same condition as when provided by the State, reasonable wear and tear excepted.

2.070 Subcontracting by Contractor

2.071 CONTRACTOR FULL RESPONSIBILITY

Contractor shall have full responsibility for the successful performance and completion of all of the Services and Deliverables. The State shall consider Contractor to be the sole point of contact with regard to all contractual matters under this Contract, including payment of any and all charges for Services and Deliverables.

2.072 STATE CONSENT TO DELEGATION

Contractor shall not delegate any duties under this Contract to a Subcontractor unless the Department of Technology, Management and Budget, Procurement has given written consent to such delegation. The State shall have the right of prior written approval of all Subcontractors and to require Contractor to replace any Subcontractors found, in the reasonable judgment of the State, to be unacceptable. The State's request shall be written with reasonable detail outlining the reasons for the removal request. Additionally, the State's request shall be based on legitimate, good faith reasons. Replacement Subcontractor(s) for the removed Subcontractor shall be fully qualified for the position. If the State exercises this right, and the Contractor

cannot immediately replace the removed Subcontractor, the State shall agree to an equitable adjustment in schedule or other terms that may be affected by the State's required removal. If any such incident with a removed Subcontractor results in delay not reasonable anticipatable under the circumstances and which is attributable to the State, the applicable SLA for the affected Work shall not be counted for a time agreed upon by the parties.

2.073 SUBCONTRACTOR BOUND TO CONTRACT

In any subcontracts entered into by Contractor for the performance of the Services, Contractor shall require the Subcontractor, to the extent of the Services to be performed by the Subcontractor, to be bound to Contractor by the terms of this Contract and to assume toward Contractor all of the obligations and responsibilities that Contractor, by this Contract, assumes toward the State. The State reserves the right to receive copies of and review all subcontracts, although Contractor may delete or mask any proprietary information, including pricing, contained in such contracts before providing them to the State. The management of any Subcontractor shall be the responsibility of Contractor, and Contractor shall remain responsible for the performance of its Subcontractors to the same extent as if Contractor had not subcontracted such performance. Contractor shall make all payments to Subcontractors or suppliers of Contractor. Except as otherwise agreed in writing by the State and Contractor, the State shall not be obligated to direct payments for the Services other than to Contractor. The State's written approval of any Subcontractor engaged by Contractor to perform any obligation under this Contract shall not relieve Contractor of any obligations or performance required under this Contract. A list of the Subcontractors, if any, approved by the State as of the execution of this Contract, together with a copy of the applicable subcontract is attached.

2.074 FLOW DOWN

Except where specifically approved in writing by the State on a case-by-case basis, Contractor shall flow down the obligations in **Sections 2.031, 2.060, 2.100, 2.110, 2.120, 2.130, and 2.200** in all of its agreements with any Subcontractors.

2.075 COMPETITIVE SELECTION

The Contractor shall select subcontractors (including suppliers) on a competitive basis to the maximum practical extent consistent with the objectives and requirements of the Contract.

2.080 State Responsibilities

2.081 EQUIPMENT

The State shall provide only the equipment and resources identified in the Statement of Work and other Contract Exhibits.

2.082 FACILITIES

The State must designate space as long as it is available and as provided in the Statement of Work, to house the Contractor's personnel whom the parties agree will perform the Services/Deliverables at State facilities (collectively, the "State Facilities"). The Contractor shall have reasonable access to, and unless agreed otherwise by the parties in writing must observe and comply with all rules and regulations relating to each of the State Facilities (including hours of operation) used by the Contractor in the course of providing the Services. Contractor agrees that it shall not, without the prior written consent of the State, use any State Facilities or access any State information systems provided for the Contractor's use, or to which the Contractor otherwise gains access in the course of performing the Services, for any purpose other than providing the Services to the State.

2.090 Security

2.091 BACKGROUND CHECKS

On a case-by-case basis, the State may investigate the Contractor's personnel before they may have access to State facilities and systems. The scope of the background check is at the discretion of the State and the

results shall be used to determine Contractor personnel eligibility for working within State facilities and systems. The investigations shall include Michigan State Police Background checks (ICHAT) and may include the National Crime Information Center (NCIC) Finger Prints. Proposed Contractor personnel may be required to complete and submit an RI-8 Fingerprint Card for the NCIC Finger Print Check. Any request for background checks shall be initiated by the State and shall be reasonably related to the type of work requested.

All Contractor personnel shall also be expected to comply with the State's security and acceptable use policies for State IT equipment and resources. See http://www.michigan.gov/dit. Furthermore, Contractor personnel shall be expected to agree to the State's security and acceptable use policies before the Contractor personnel shall be accepted as a resource to perform work for the State. It is expected the Contractor shall present these documents to the prospective employee before the Contractor presents the individual to the State as a proposed resource. Contractor staff shall be expected to comply with all Physical Security procedures in place within the facilities where they are working.

2.092 SECURITY BREACH NOTIFICATION

If the Contractor breaches this Section, the Contractor must (i) promptly cure any deficiencies and (ii) comply with any applicable federal and state laws and regulations pertaining to unauthorized disclosures. Contractor and the State shall cooperate to mitigate, to the extent practicable, the effects of any breach, intrusion, or unauthorized use or disclosure. Contractor must report to the State in writing any use or disclosure of Confidential Information, whether suspected or actual, other than as provided for by the Contract within 10 days of becoming aware of the use or disclosure or the shorter time period as is reasonable under the circumstances.

2.093 PCI DATA SECURITY STANDARD

(a) Contractors that process, transmit or store credit/debit cardholder data, must adhere to the Payment Card Industry (PCI) Data Security Standards. The Contractor is responsible for the security of cardholder data in its possession. The data may only be used to assist the State or for other uses specifically authorized by law.

(b) The Contractor must notify the CCI (within 72 hours of discovery) of any breaches in security where cardholder data has been compromised. In that event, the Contractor must provide full cooperation to the Visa, MasterCard, Discover and state Acquirer representative(s), and/or a PCI approved third party to conduct a thorough security review. The Contractor must make the forensic report available within two weeks of completion. The review must validate compliance with the current PCI Data Security Standards for protecting cardholder data.

(c) The Contractor must properly dispose of cardholder data, in compliance with DTMB policy, when it is no longer needed. The Contractor must continue to treat cardholder data as confidential upon contract termination.

(d) The Contractor must provide the CCI with an annual Attestation of Compliance (AOC) or a Report on Compliance (ROC) showing the contractor is in compliance with the PCI Data Security Standards. The Contractor must notify the CCI of all failures to comply with the PCI Data Security Standard.

2.100 Confidentiality

2.101 CONFIDENTIALITY

Contractor and the State each acknowledge that the other possesses and shall continue to possess confidential information that has been developed or received by it. As used in this Section, "Confidential Information" of Contractor must mean all non-public proprietary information of Contractor (other than Confidential Information of the State as defined below), which is marked confidential, restricted, proprietary, or with a similar designation. "Confidential Information" of the State must mean any information which is retained in confidence by the State (or otherwise required to be held in confidence by the State under applicable federal, state and local laws and regulations) or which, in the case of tangible materials provided to Contractor

by the State under its performance under this Contract, is marked as confidential, proprietary or with a similar designation by the State. "Confidential Information" excludes any information (including this Contract) that is publicly available under the Michigan FOIA.

2.102 PROTECTION AND DESTRUCTION OF CONFIDENTIAL INFORMATION

The State and Contractor shall each use at least the same degree of care to prevent disclosing to third parties the Confidential Information of the other as it employs to avoid unauthorized disclosure, publication or dissemination of its own confidential information of like character, but in no event less than reasonable care. Neither Contractor nor the State shall (i) make any use of the Confidential Information of the other except as contemplated by this Contract, (ii) acquire any right in or assert any lien against the Confidential Information of the other, or (iii) if requested to do so, refuse for any reason to promptly return the other party's Confidential Information to the other party. Each party shall limit disclosure of the other party's Confidential Information to employees and Subcontractors who must have access to fulfill the purposes of this Contract. Disclosure to, and use by, a Subcontractor is permissible where (A) use of a Subcontractor is authorized under this Contract, (B) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the Subcontractor's scope of responsibility, and (C) Contractor obligates the Subcontractor in a written Contract to maintain the State's Confidential Information in confidence. At the State's request, any employee of Contractor and of any Subcontractor having access or continued access to the State's Confidential Information may be required to execute an acknowledgment that the employee has been advised of Contractor's and the Subcontractor's obligations under this Section and of the employee's obligation to Contractor or Subcontractor, as the case may be, to protect the Confidential Information from unauthorized use or disclosure.

Promptly upon termination or cancellation of the Contract for any reason, Contractor must certify to the State that Contractor has destroyed all State Confidential Information.

2.103 EXCLUSIONS

Notwithstanding the foregoing, the provisions in this Section shall not apply to any particular information which the State or Contractor can demonstrate (i) was, at the time of disclosure to it, in the public domain; (ii) after disclosure to it, is published or otherwise becomes part of the public domain through no fault of the receiving party; (iii) was in the possession of the receiving party at the time of disclosure to it without an obligation of confidentiality; (iv) was received after disclosure to it from a third party who had a lawful right to disclose the information to it without any obligation to restrict its further disclosure; or (v) was independently developed by the receiving party without reference to Confidential Information of the furnishing party. Further, the provisions of this Section shall not apply to any particular Confidential Information to the extent the receiving party is required by law to disclose the Confidential Information, provided that the receiving party (i) promptly provides the furnishing party with notice of the legal request, and (ii) assists the furnishing party in resisting or limiting the scope of the disclosure as reasonably requested by the furnishing party.

2.104 NO IMPLIED RIGHTS

Nothing contained in this Section must be construed as obligating a party to disclose any particular Confidential Information to the other party, or as granting to or conferring on a party, expressly or impliedly, any right or license to the Confidential Information of the other party.

2.105 RESPECTIVE OBLIGATIONS

The parties' respective obligations under this Section must survive the termination or expiration of this Contract for any reason.

2.110 Records and Inspections

2.111 INSPECTION OF WORK PERFORMED

The State's authorized representatives, at reasonable times and with 10 days prior notice, have the right to enter the Contractor's premises or any other places where work is being performed in relation to this Contract. The representatives may inspect, monitor, or evaluate the work being performed, to the extent the access will

not reasonably interfere with or jeopardize the safety or operation of Contractor's systems or facilities. The Contractor must provide reasonable assistance for the State's representatives during inspections.

2.112 RETENTION OF RECORDS

(a) The Contractor must retain all financial and accounting records related to this Contract for a period of 7 years after the Contractor performs any work under this Contract (Audit Period).

(b) If an audit, litigation, or other action involving the Contractor's records is initiated before the end of the Audit Period, the Contractor must retain the records until all issues arising out of the audit, litigation, or other action are resolved or until the end of the Audit Period, whichever is later.

2.113 EXAMINATION OF RECORDS

(a) The State, upon 10 days notice to the Contractor, may examine and copy any of the Contractor's records that relate to this Contract any time during the Audit Period. The State does not have the right to review any information deemed confidential by the Contractor if access would require the information to become publicly available. This requirement also applies to the records of any parent, affiliate, or subsidiary organization of the Contractor, or any Subcontractor that performs services in connection with this Contract

(b) In addition to the rights conferred upon the State in paragraph (a) of this section and in accordance with MCL 18.1470, DTMB or its designee may audit the Contractor to verify compliance with the Contract. The financial and accounting records associated with the Contract shall be made available to DTMB or its designee and the auditor general, upon request, during the term of the Contract and any extension of the Contract and for 3 years after the later of the expiration date or final payment under the Contract.

2.114 AUDIT RESOLUTION

If necessary, the Contractor and the State will meet to review any audit report promptly after its issuance. The Contractor must respond to each report in writing within 30 days after receiving the report, unless the report specifies a shorter response time. The Contractor and the State must develop, agree upon, and monitor an action plan to promptly address and resolve any deficiencies, concerns, or recommendations in the report.

2.115 ERRORS

(a) If an audit reveals any financial errors in the records provided to the State, the amount in error must be reflected as a credit or debit on the next invoice and subsequent invoices until the amount is paid or refunded in full. However, a credit or debit may not be carried forward for more than four invoices or beyond the termination of the Contract. If a balance remains after four invoices, the remaining amount will be due as a payment or refund within 45 days of the last invoice on which the balance appeared or upon termination of the Contract, whichever is earlier.

(b) In addition to other available remedies, if the difference between the State's actual payment and the correct invoice amount, as determined by an audit, is greater than 10%, the Contractor must pay all reasonable audit costs.

2.120 Warranties

2.121 WARRANTIES AND REPRESENTATIONS

The Contractor represents and warrants:

(a) It is capable in all respects of fulfilling and must fulfill all of its obligations under this Contract. The performance of all obligations under this Contract must be provided in a timely, professional, and workman-like manner and must meet the performance and operational standards required under this Contract.

(b) The Contract Appendices, Attachments and Exhibits identify the equipment and software and services necessary for the Deliverable(s) to perform and Services to operate in compliance with the Contract’s requirements and other standards of performance.

(c) It is the lawful owner or licensee of any Deliverable licensed or sold to the State by Contractor or developed by Contractor under this Contract, and Contractor has all of the rights necessary to convey to the State the ownership rights or licensed use, as applicable, of any and all Deliverables. None of the Deliverables provided by Contractor to the State under neither this Contract, nor their use by the State shall infringe the patent, copyright, trade secret, or other proprietary rights of any third party.

(d) If, under this Contract, Contractor procures any equipment, software or other Deliverable for the State (including equipment, software and other Deliverables manufactured, re-marketed or otherwise sold by Contractor under Contractor's name), then in addition to Contractor's other responsibilities with respect to the items in this Contract, Contractor must assign or otherwise transfer to the State or its designees, or afford the State the benefits of, any manufacturer's warranty for the Deliverable.

(e) The contract signatory has the power and authority, including any necessary corporate authorizations, necessary to enter into this Contract, on behalf of Contractor.

(f) It is qualified and registered to transact business in all locations where required.

(g) Neither the Contractor nor any Affiliates, nor any employee of either, has, must have, or must acquire, any contractual, financial, business, or other interest, direct or indirect, that would conflict in any manner or degree with Contractor's performance of its duties and responsibilities to the State under this Contract or otherwise create an appearance of impropriety with respect to the award or performance of this Agreement. Contractor must notify the State about the nature of the conflict or appearance of impropriety within two days of learning about it.

(h) Neither Contractor nor any Affiliates, nor any employee of either has accepted or must accept anything of value based on an understanding that the actions of the Contractor or Affiliates or employee on behalf of the State would be influenced. Contractor must not attempt to influence any State employee by the direct or indirect offer of anything of value.

(i) Neither Contractor nor any Affiliates, nor any employee of either has paid or agreed to pay any person, other than bona fide employees and consultants working solely for Contractor or the Affiliate, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award or making of this Contract.

(j) The prices proposed by Contractor were arrived at independently, without consultation, communication, or agreement with any other Bidder for the purpose of restricting competition; the prices quoted were not knowingly disclosed by Contractor to any other Bidder; and no attempt was made by Contractor to induce any other person to submit or not submit a proposal for the purpose of restricting competition.

(k) All financial statements, reports, and other information furnished by Contractor to the State as part of its response to the RFP or otherwise in connection with the award of this Contract fairly and accurately represent the business, properties, financial condition, and results of operations of Contractor as of the respective dates, or for the respective periods, covered by the financial statements, reports, other information. Since the respective dates or periods covered by the financial statements, reports, or other information, there have been no material adverse changes in the business, properties, financial condition, or results of operations of Contractor.

(l) All written information furnished to the State by or for the Contractor in connection with this Contract, including its bid, is true, accurate, and complete, and contains no untrue statement of material fact or omits any material fact necessary to make the information not misleading.

(m) It is not in material default or breach of any other contract or agreement that it may have with the State or any of its departments, commissions, boards, or agencies. Contractor further represents and warrants that it has not been a party to any contract with the State or any of its departments that was terminated by the State or the department within the previous five years for the reason that Contractor failed to perform or otherwise breached an obligation of the contract.

(n) If any of the certifications, representations, or disclosures made in the Contractor's original bid response change after contract award, the Contractor is required to report those changes immediately to the Department of Technology, Management and Budget, Procurement.

2.122 WARRANTY OF MERCHANTABILITY

Goods provided by Contractor under this agreement shall be merchantable. All goods provided under this Contract shall be of good quality within the description given by the State, shall be fit for their ordinary purpose, shall be adequately contained and packaged within the description given by the State, shall conform to the

agreed upon specifications, and shall conform to the affirmations of fact made by the Contractor or on the container or label.

2.123 WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE

When the Contractor has reason to know or knows any particular purpose for which the goods are required, and the State is relying on the Contractor's skill or judgment to select or furnish suitable goods, there is a warranty that the goods are fit for such purpose.

2.124 WARRANTY OF TITLE

Contractor shall, in providing goods to the State, convey good title in those goods, whose transfer is right and lawful. All goods provided by Contractor shall be delivered free from any security interest, lien, or encumbrance of which the State, at the time of contracting, has no knowledge. Goods provided by Contractor, under this Contract, shall be delivered free of any rightful claim of any third person by of infringement or the like.

2.125 EQUIPMENT WARRANTY

To the extent Contractor is responsible under this Contract for maintaining equipment/system(s), Contractor represents and warrants that it shall maintain the equipment/system(s) in good operating condition and shall undertake all repairs and preventive maintenance according to the applicable manufacturer's recommendations for the period specified in this Contract.

The Contractor represents and warrants that the equipment/system(s) are in good operating condition and operates and performs to the requirements and other standards of performance contained in this Contract, when installed, at the time of Final Acceptance by the State, and for a period of (1) one year commencing upon the first day following Final Acceptance.

Within 1 business days of notification from the State, the Contractor must adjust, repair or replace all equipment that is defective or not performing in compliance with the Contract. The Contractor must assume all costs for replacing parts or units and their installation including transportation and delivery fees, if any.

The Contractor must provide a toll-free telephone number to allow the State to report equipment failures and problems to be remedied by the Contractor.

The Contractor agrees that all warranty service it provides under this Contract must be performed by Original Equipment Manufacturer (OEM) trained, certified and authorized technicians.

The Contractor is the sole point of contact for warranty service. The Contractor warrants that it shall pass through to the State any warranties obtained or available from the original equipment manufacturer, including any replacement, upgraded, or additional equipment warranties.

2.126 EQUIPMENT TO BE NEW

If applicable, all equipment provided under this Contract by Contractor shall be new where Contractor has knowledge regarding whether the equipment is new or assembled from new or serviceable used parts that are like new in performance or has the option of selecting one or the other. Equipment that is assembled from new or serviceable used parts that are like new in performance is acceptable where Contractor does not have knowledge or the ability to select one or other, unless specifically agreed otherwise in writing by the State.

2.127 PROHIBITED PRODUCTS

The State will not accept salvage, distressed, outdated or discontinued merchandise. Shipping of such merchandise to any State agency, as a result of an order placed against the Contract, shall be considered default by the Contractor of the terms and conditions of the Contract and may result in cancellation of the Contract by the State. The brand and product number offered for all items shall remain consistent for the term of the Contract, unless DTMB-Procurement has approved a change order pursuant to **Section 2.024**.

2.128 CONSEQUENCES FOR BREACH

In addition to any remedies available in law, if the Contractor breaches any of the warranties contained in this section, the breach may be considered as a default in the performance of a material obligation of this Contract.

2.130 Insurance

2.131 LIABILITY INSURANCE

The Contractor must provide proof of the minimum levels of insurance coverage as indicated below. The insurance must protect the State from claims that may arise out of or result from the Contractor's performance of services under the terms of this Contract, whether the services are performed by the Contractor, or by any subcontractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable.

The Contractor waives all rights against the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents for recovery of damages to the extent these damages are covered by the insurance policies the Contractor is required to maintain under this Contract.

All insurance coverage provided relative to this Contract/Purchase Order is PRIMARY and NON-CONTRIBUTING to any comparable liability insurance (including self-insurances) carried by the State.

The insurance must be written for not less than any minimum coverage specified in this Contract or required by law, whichever is greater.

The insurers selected by Contractor must have an A.M. Best rating of A or better, or as otherwise approved in writing by the State, or if the ratings are no longer available, with a comparable rating from a recognized insurance rating agency. All policies of insurance required in this Contract must be issued by companies that have been approved to do business in the State.
See www.michigan.gov/dleg.

Where specific limits are shown, they are the minimum acceptable limits. If Contractor's policy contains higher limits, the State must be entitled to coverage to the extent of the higher limits.

The Contractor is required to pay for and provide the type and amount of insurance checked ☑ below:

☑ 1. Commercial General Liability with the following minimum coverage:
$2,000,000 General Aggregate Limit other than Products/Completed Operations
$2,000,000 Products/Completed Operations Aggregate Limit
$1,000,000 Personal & Advertising Injury Limit
$1,000,000 Each Occurrence Limit

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the Commercial General Liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.

☑ 2. If a motor vehicle is used to provide services or products under this Contract, the Contractor must have vehicle liability insurance on any auto including owned, hired and non-owned vehicles used in Contractor's business for bodily injury and property damage as required by law.

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the vehicle liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.

☑ 3. Workers' compensation coverage must be provided according to applicable laws governing the employees and employers work activities in the state of the Contractor's domicile. If a self-insurer provides the applicable coverage, proof must be provided of approved self-insured authority by the jurisdiction of domicile. For employees working outside of the state of qualification, Contractor must provide appropriate certificates of insurance proving mandated coverage levels for the jurisdictions where the employees' activities occur.

Any certificates of insurance received must also provide a list of states where the coverage is applicable.

The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company. This provision must not be applicable where prohibited or limited by the laws of the jurisdiction in which the work is to be performed.

☑ 4. Employers liability insurance with the following minimum limits:
$100,000 each accident
$100,000 each employee by disease
$500,000 aggregate disease

☐ 5. Employee Fidelity, including Computer Crimes, insurance naming the State as a loss payee, providing coverage for direct loss to the State and any legal liability of the State arising out of or related to fraudulent or dishonest acts committed by the employees of Contractor or its Subcontractors, acting alone or in collusion with others, in a minimum amount of one million dollars ($1,000,000.00) with a maximum deductible of fifty thousand dollars ($50,000.00).

☑ 6. Umbrella or Excess Liability Insurance in a minimum amount of ten million dollars ($10,000,000.00), which must apply, at a minimum, to the insurance required in Subsection 1 (Commercial General Liability) above.

☐ 7. Professional Liability (Errors and Omissions) Insurance with the following minimum coverage: three million dollars ($3,000,000.00) each occurrence and three million dollars ($3,000,000.00) annual aggregate.

☐ 8. Fire and Personal Property Insurance covering against any loss or damage to the office space used by Contractor for any reason under this Contract, and the equipment, software and other contents of the office space, including without limitation, those contents used by Contractor to provide the Services to the State, up to its replacement value, where the office space and its contents are under the care, custody and control of Contractor. The policy must cover all risks of direct physical loss or damage, including without limitation, flood and earthquake coverage and coverage for computer hardware and software. The State must be endorsed on the policy as a loss payee as its interests appear.

2.132 SUBCONTRACTOR INSURANCE COVERAGE

Except where the State has approved in writing a Contractor subcontract with other insurance provisions, Contractor must require all of its Subcontractors under this Contract to purchase and maintain the insurance coverage as described in this Section for the Contractor in connection with the performance of work by those Subcontractors. Alternatively, Contractor may include any Subcontractors under Contractor's insurance on the coverage required in this Section. Subcontractor(s) must fully comply with the insurance coverage required in this Section. Failure of Subcontractor(s) to comply with insurance requirements does not limit Contractor's liability or responsibility.

2.133 CERTIFICATES OF INSURANCE AND OTHER REQUIREMENTS

Contractor must furnish to DTMB-Procurement, certificate(s) of insurance verifying insurance coverage or providing satisfactory evidence of self-insurance as required in this Section (the "Certificates"). The Certificate must be on the standard "accord" form or equivalent. **The Contract Number or the Purchase Order Number must be shown on the Certificate Of Insurance To Assure Correct Filing.** All Certificate(s) are to be prepared and submitted by the Insurance Provider. All Certificate(s) must contain a provision indicating that

coverage afforded under the policies SHALL NOT BE CANCELLED, MATERIALLY CHANGED, OR NOT RENEWED without 30 days prior written notice, except for 10 days for non-payment of premium, having been given to the Director of Procurement, Department of Technology, Management and Budget. The notice must include the Contract or Purchase Order number affected. Before the Contract is signed, and not less than 20 days before the insurance expiration date every year thereafter, the Contractor must provide evidence that the State and its agents, officers and employees are listed as additional insured under each commercial general liability and commercial automobile liability policy. In the event the State approves the representation of the State by the insurer's attorney, the attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.

The Contractor must maintain all required insurance coverage throughout the term of the Contract and any extensions and, in the case of claims-made Commercial General Liability policies, must secure tail coverage for at least three years following the expiration or termination for any reason of this Contract. The minimum limits of coverage specified above are not intended, and must not be construed; to limit any liability or indemnity of Contractor under this Contract to any indemnified party or other persons. Contractor is responsible for all deductibles with regard to the insurance. If the Contractor fails to pay any premium for required insurance as specified in this Contract, or if any insurer cancels or significantly reduces any required insurance as specified in this Contract without the State's written consent, then the State may, after the State has given the Contractor at least 30 days written notice, pay the premium or procure similar insurance coverage from another company or companies. The State may deduct any part of the cost from any payment due the Contractor, or the Contractor must pay that cost upon demand by the State.

2.140 Indemnification

2.141 GENERAL INDEMNIFICATION

To the extent permitted by law, the Contractor must indemnify, defend and hold harmless the State from liability, including all claims and losses, and all related costs and expenses (including reasonable attorneys' fees and costs of investigation, litigation, settlement, judgments, interest and penalties), accruing or resulting to any person, firm or corporation that may be injured or damaged by the Contractor in the performance of this Contract and that are attributable to the negligence or tortious acts of the Contractor or any of its subcontractors, or by anyone else for whose acts any of them may be liable.

2.142 CODE INDEMNIFICATION

To the extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State from any claim, loss, or expense arising from Contractor's breach of the No Surreptitious Code Warranty.

2.143 EMPLOYEE INDEMNIFICATION

In any claims against the State of Michigan, its departments, divisions, agencies, sections, commissions, officers, employees and agents, by any employee of the Contractor or any of its subcontractors, the indemnification obligation under the Contract must not be limited in any way by the amount or type of damages, compensation or benefits payable by or for the Contractor or any of its subcontractors under worker's disability compensation acts, disability benefit acts or other employee benefit acts. This indemnification clause is intended to be comprehensive. Any overlap in provisions, or the fact that greater specificity is provided as to some categories of risk, is not intended to limit the scope of indemnification under any other provisions.

2.144 PATENT/COPYRIGHT INFRINGEMENT INDEMNIFICATION

To the extent permitted by law, the Contractor must indemnify, defend and hold harmless the State from and against all losses, liabilities, damages (including taxes), and all related costs and expenses (including reasonable attorneys' fees and costs of investigation, litigation, settlement, judgments, interest and penalties) incurred in connection with any action or proceeding threatened or brought against the State to the extent that the action or proceeding is based on a claim that any piece of equipment, software, commodity or service supplied by the Contractor or its subcontractors, or the operation of the equipment, software, commodity or

service, or the use or reproduction of any documentation provided with the equipment, software, commodity or service infringes any United States patent, copyright, trademark or trade secret of any person or entity, which is enforceable under the laws of the United States.

In addition, should the equipment, software, commodity, or service, or its operation, become or in the State's or Contractor's opinion be likely to become the subject of a claim of infringement, the Contractor must at the Contractor's sole expense (i) procure for the State the right to continue using the equipment, software, commodity or service or, if the option is not reasonably available to the Contractor, (ii) replace or modify to the State's satisfaction the same with equipment, software, commodity or service of equivalent function and performance so that it becomes non-infringing, or, if the option is not reasonably available to Contractor, (iii) accept its return by the State with appropriate credits to the State against the Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.

Notwithstanding the foregoing, the Contractor has no obligation to indemnify or defend the State for, or to pay any costs, damages or attorneys' fees related to, any claim based upon (i) equipment developed based on written specifications of the State; (ii) use of the equipment in a configuration other than implemented or approved in writing by the Contractor, including, but not limited to, any modification of the equipment by the State; or (iii) the combination, operation, or use of the equipment with equipment or software not supplied by the Contractor under this Contract.

2.145 CONTINUATION OF INDEMNIFICATION OBLIGATIONS

The Contractor's duty to indemnify under this Section continues in full force and effect, notwithstanding the expiration or early cancellation of the Contract, with respect to any claims based on facts or conditions that occurred before expiration or cancellation.

2.146 INDEMNIFICATION PROCEDURES

The procedures set forth below must apply to all indemnity obligations under this Contract.

(a) After the State receives notice of the action or proceeding involving a claim for which it shall seek indemnification, the State must promptly notify Contractor of the claim in writing and take or assist Contractor in taking, as the case may be, any reasonable action to avoid the imposition of a default judgment against Contractor. No failure to notify the Contractor relieves the Contractor of its indemnification obligations except to the extent that the Contractor can prove damages attributable to the failure. Within 10 days following receipt of written notice from the State relating to any claim, the Contractor must notify the State in writing whether Contractor agrees to assume control of the defense and settlement of that claim (a "Notice of Election"). After notifying Contractor of a claim and before the State receiving Contractor's Notice of Election, the State is entitled to defend against the claim, at the Contractor's expense, and the Contractor will be responsible for any reasonable costs incurred by the State in defending against the claim during that period.

(b) If Contractor delivers a Notice of Election relating to any claim: (i) the State is entitled to participate in the defense of the claim and to employ counsel at its own expense to assist in the handling of the claim and to monitor and advise the State about the status and progress of the defense; (ii) the Contractor must, at the request of the State, demonstrate to the reasonable satisfaction of the State, the Contractor's financial ability to carry out its defense and indemnity obligations under this Contract; (iii) the Contractor must periodically advise the State about the status and progress of the defense and must obtain the prior written approval of the State before entering into any settlement of the claim or ceasing to defend against the claim and (iv) to the extent that any principles of Michigan governmental or public law may be involved or challenged, the State has the right, at its own expense, to control the defense of that portion of the claim involving the principles of Michigan governmental or public law. But the State may retain control of the defense and settlement of a claim by notifying the Contractor in writing within 10 days after the State's receipt of Contractor's information requested by the State under clause (ii) of this paragraph if the State determines that the Contractor has failed to demonstrate to the reasonable satisfaction of the State the Contractor's financial ability to carry out its defense and indemnity obligations under this Section. Any litigation activity on behalf of the State, or any of its subdivisions under this Section, must

be coordinated with the Department of Attorney General. In the event the insurer's attorney represents the State under this Section, the insurer's attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.

(c) If Contractor does not deliver a Notice of Election relating to any claim of which it is notified by the State as provided above, the State may defend the claim in the manner as it may deem appropriate, at the cost and expense of Contractor. If it is determined that the claim was one against which Contractor was required to indemnify the State, upon request of the State, Contractor must promptly reimburse the State for all the reasonable costs and expenses.

2.150 Termination/Cancellation

2.151 NOTICE AND RIGHT TO CURE

If the Contractor breaches the contract, and the State in its sole discretion determines that the breach is curable, then the State shall provide the Contractor with written notice of the breach and a time period (not less than 30 days) to cure the Breach. The notice of breach and opportunity to cure is inapplicable for successive or repeated breaches or if the State determines in its sole discretion that the breach poses a serious and imminent threat to the health or safety of any person or the imminent loss, damage, or destruction of any real or tangible personal property.

2.152 TERMINATION FOR CAUSE

(a) The State may terminate this contract, for cause, by notifying the Contractor in writing, if the Contractor (i) breaches any of its material duties or obligations under this Contract (including a Chronic Failure to meet any particular SLA), or (ii) fails to cure a breach within the time period specified in the written notice of breach provided by the State

(b) If this Contract is terminated for cause, the Contractor must pay all costs incurred by the State in terminating this Contract, including but not limited to, State administrative costs, reasonable attorneys' fees and court costs, and any reasonable additional costs the State may incur to procure the Services/Deliverables required by this Contract from other sources. Re-procurement costs are not consequential, indirect or incidental damages, and cannot be excluded by any other terms otherwise included in this Contract, provided the costs are not in excess of 50% more than the prices for the Service/Deliverables provided under this Contract.

(c) If the State chooses to partially terminate this Contract for cause, charges payable under this Contract shall be equitably adjusted to reflect those Services/Deliverables that are terminated and the State must pay for all Services/Deliverables for which Final Acceptance has been granted provided up to the termination date. Services and related provisions of this Contract that are terminated for cause must cease on the effective date of the termination.

(d) If the State terminates this Contract for cause under this Section, and it is determined, for any reason, that Contractor was not in breach of contract under the provisions of this section, that termination for cause must be deemed to have been a termination for convenience, effective as of the same date, and the rights and obligations of the parties must be limited to that otherwise provided in this Contract for a termination for convenience.

2.153 TERMINATION FOR CONVENIENCE

The State may terminate this Contract for its convenience, in whole or part, if the State determines that a termination is in the State's best interest. Reasons for the termination must be left to the sole discretion of the State and may include, but not necessarily be limited to (a) the State no longer needs the Services or products specified in the Contract, (b) relocation of office, program changes, changes in laws, rules, or regulations make implementation of the Services no longer practical or feasible, (c) unacceptable prices for Additional Services or New Work requested by the State, or (d) falsification or misrepresentation, by inclusion or non-inclusion, of information material to a response to any RFP issued by the State. The State may terminate this Contract for its convenience, in whole or in part, by giving Contractor written notice at least 30 days before the date of termination. If the State chooses to terminate this Contract in part, the charges payable under this Contract must be equitably adjusted to reflect those Services/Deliverables that are terminated. Services and related

provisions of this Contract that are terminated for convenience must cease on the effective date of the termination.

2.154 TERMINATION FOR NON-APPROPRIATION

(a) Contractor acknowledges that, if this Contract extends for several fiscal years, continuation of this Contract is subject to appropriation or availability of funds for this Contract. If funds to enable the State to effect continued payment under this Contract are not appropriated or otherwise made available, the State must terminate this Contract and all affected Statements of Work, in whole or in part, at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of termination to Contractor. The State must give Contractor at least 30 days advance written notice of termination for non-appropriation or unavailability (or the time as is available if the State receives notice of the final decision less than 30 days before the funding cutoff).

(b) If funding for the Contract is reduced by law, or funds to pay Contractor for the agreed-to level of the Services or production of Deliverables to be provided by Contractor are not appropriated or otherwise unavailable, the State may, upon 30 days written notice to Contractor, reduce the level of the Services or change the production of Deliverables in the manner and for the periods of time as the State may elect. The charges payable under this Contract shall be equitably adjusted to reflect any equipment, services or commodities not provided by reason of the reduction.

(c) If the State terminates this Contract, eliminates certain Deliverables, or reduces the level of Services to be provided by Contractor under this Section, the State must pay Contractor for all Work-in-Process performed through the effective date of the termination or reduction in level, as the case may be and as determined by the State, to the extent funds are available. This Section shall not preclude Contractor from reducing or stopping Services/Deliverables or raising against the State in a court of competent jurisdiction, any claim for a shortfall in payment for Services performed or Deliverables finally accepted before the effective date of termination.

2.155 TERMINATION FOR CRIMINAL CONVICTION

The State may terminate this Contract immediately and without further liability or penalty in the event Contractor, an officer of Contractor, or an owner of a 25% or greater share of Contractor is convicted of a criminal offense related to a State, public or private Contract or subcontract.

2.156 TERMINATION FOR APPROVALS RESCINDED

The State may terminate this Contract if any final administrative or judicial decision or adjudication disapproves a previously approved request for purchase of personal services under Constitution 1963, Article 11, § 5, and Civil Service Rule 7-1. In that case, the State shall pay the Contractor for only the work completed to that point under the Contract. Termination may be in whole or in part and may be immediate as of the date of the written notice to Contractor or may be effective as of the date stated in the written notice.

2.157 RIGHTS AND OBLIGATIONS UPON TERMINATION

(a) If the State terminates this Contract for any reason, the Contractor must (a) stop all work as specified in the notice of termination, (b) take any action that may be necessary, or that the State may direct, for preservation and protection of Deliverables or other property derived or resulting from this Contract that may be in Contractor's possession, (c) return all materials and property provided directly or indirectly to Contractor by any entity, agent or employee of the State, (d) transfer title in, and deliver to, the State, unless otherwise directed, all Deliverables intended to be transferred to the State at the termination of the Contract and which are resulting from the Contract (which must be provided to the State on an "As-Is" basis except to the extent the amounts paid by the State in respect of the items included compensation to Contractor for the provision of warranty services in respect of the materials), and (e) take any action to mitigate and limit any potential damages, or requests for Contractor adjustment or termination settlement costs, to the maximum practical extent, including terminating or limiting as otherwise applicable those subcontracts and outstanding orders for material and supplies resulting from the terminated Contract.

(b) If the State terminates this Contract before its expiration for its own convenience, the State must pay Contractor for all charges due for Services provided before the date of termination and, if applicable, as a

separate item of payment under this Contract, for Work In Process, on a percentage of completion basis at the level of completion determined by the State. All completed or partially completed Deliverables prepared by Contractor under this Contract, at the option of the State, becomes the State's property, and Contractor is entitled to receive equitable fair compensation for the Deliverables. Regardless of the basis for the termination, the State is not obligated to pay, or otherwise compensate, Contractor for any lost expected future profits, costs or expenses incurred with respect to Services not actually performed for the State.

(c) Upon a good faith termination, the State may assume, at its option, any subcontracts and agreements for services and deliverables provided under this Contract, and may further pursue completion of the Services/Deliverables under this Contract by replacement contract or otherwise as the State may in its sole judgment deem expedient.

2.158 RESERVATION OF RIGHTS

Any termination of this Contract or any Statement of Work issued under it by a party must be with full reservation of, and without prejudice to, any rights or remedies otherwise available to the party with respect to any claims arising before or as a result of the termination.

2.160 Termination by Contractor

2.161 TERMINATION BY CONTRACTOR

If the State breaches the Contract, and the Contractor in its sole discretion determines that the breach is curable, then the Contractor will provide the State with written notice of the breach and a time period (not less than 30 days) to cure the breach. The Notice of Breach and opportunity to cure is inapplicable for successive and repeated breaches.

The Contractor may terminate this Contract if the State (i) materially breaches its obligation to pay the Contractor undisputed amounts due and owing under this Contract, (ii) breaches its other obligations under this Contract to an extent that makes it impossible or commercially impractical for the Contractor to perform the Services, or (iii) does not cure the breach within the time period specified in a written notice of breach. But the Contractor must discharge its obligations under **Section 2.160** before it terminates the Contract.

2.170 Transition Responsibilities

2.171 CONTRACTOR TRANSITION RESPONSIBILITIES

If the State terminates this contract, for convenience or cause, or if the Contract is otherwise dissolved, voided, rescinded, nullified, expires or rendered unenforceable, the Contractor shall comply with direction provided by the State to assist in the orderly transition of equipment, services, software, leases, etc. to the State or a third party designated by the State. If this Contract expires or terminates, the Contractor agrees to make all reasonable efforts to effect an orderly transition of services within a reasonable period of time that in no event will exceed 90 days. These efforts must include, but are not limited to, those listed in **Section 2.150.**

2.172 CONTRACTOR PERSONNEL TRANSITION

The Contractor shall work with the State, or a specified third party, to develop a transition plan setting forth the specific tasks and schedule to be accomplished by the parties, to effect an orderly transition. The Contractor must allow as many personnel as practicable to remain on the job to help the State, or a specified third party, maintain the continuity and consistency of the services required by this Contract. In addition, during or following the transition period, in the event the State requires the Services of the Contractor's subcontractors or Contractors, as necessary to meet its needs, Contractor agrees to reasonably, and with good-faith, work with the State to use the Services of Contractor's subcontractors or Contractors. Contractor will notify all of Contractor's subcontractors of procedures to be followed during transition.

2.173 CONTRACTOR INFORMATION TRANSITION

The Contractor shall provide reasonable detailed specifications for all Services/Deliverables needed by the State, or specified third party, to properly provide the Services/Deliverables required under this Contract. The Contractor will provide the State with asset management data generated from the inception of this Contract through the date on which this Contractor is terminated in a comma-delineated format unless otherwise requested by the State. The Contractor will deliver to the State any remaining owed reports and documentation still in Contractor's possession subject to appropriate payment by the State.

2.174 CONTRACTOR SOFTWARE TRANSITION

The Contractor shall reasonably assist the State in the acquisition of any Contractor software required to perform the Services/use the Deliverables under this Contract. This must include any documentation being used by the Contractor to perform the Services under this Contract. If the State transfers any software licenses to the Contractor, those licenses must, upon expiration of the Contract, transfer back to the State at their current revision level. Upon notification by the State, Contractor may be required to freeze all non-critical changes to Deliverables/Services.

2.175 TRANSITION PAYMENTS

If the transition results from a termination for any reason, the termination provisions of this Contract must govern reimbursement. If the transition results from expiration, the Contractor will be reimbursed for all reasonable transition costs (i.e. costs incurred within the agreed period after contract expiration that result from transition operations) at the rates agreed upon by the State. The Contractor will prepare an accurate accounting from which the State and Contractor may reconcile all outstanding accounts.

2.176 STATE TRANSITION RESPONSIBILITIES

In the event that this Contract is terminated, dissolved, voided, rescinded, nullified, or otherwise rendered unenforceable, the State agrees to reconcile all accounts between the State and the Contractor, complete any pending post-project reviews and perform any others obligations upon which the State and the Contractor agree.

(a) Reconciling all accounts between the State and the Contractor;
(b) Completing any pending post-project reviews.

2.180 Stop Work

2.181 STOP WORK ORDERS

The State may, at any time, by written Stop Work Order to Contractor, require that Contractor stop all, or any part, of the work called for by the Contract for a period of up to 90 calendar days after the Stop Work Order is delivered to Contractor, and for any further period to which the parties may agree. The Stop Work Order must be identified as a Stop Work Order and must indicate that it is issued under this **Section**. Upon receipt of the stop work order, Contractor must immediately comply with its terms and take all reasonable steps to minimize incurring costs allocable to the work covered by the Stop Work Order during the period of work stoppage. Within the period of the stop work order, the State must either: (a) cancel the stop work order; or (b) terminate the work covered by the Stop Work Order as provided in **Section 2.182**.

2.182 CANCELLATION OR EXPIRATION OF STOP WORK ORDER

The Contractor shall resume work if the State cancels a Stop Work Order or if it expires. The parties shall agree upon an equitable adjustment in the delivery schedule, the Contract price, or both, and the Contract shall be modified, in writing, accordingly, if: (a) the Stop Work Order results in an increase in the time required for, or in Contractor's costs properly allocable to, the performance of any part of the Contract; and (b) Contractor asserts its right to an equitable adjustment within 30 calendar days after the end of the period of work stoppage; provided that, if the State decides the facts justify the action, the State may receive and act upon a Contractor proposal submitted at any time before final payment under the Contract. Any adjustment will conform to the requirements of **Section 2.024**.

2.183 ALLOWANCE OF CONTRACTOR COSTS

If the Stop Work Order is not canceled and the work covered by the Stop Work Order is terminated for reasons other than material breach, the termination shall be deemed to be a termination for convenience under **Section 2.153**, and the State shall pay reasonable costs resulting from the Stop Work Order in arriving at the termination settlement. For the avoidance of doubt, the State shall not be liable to Contractor for loss of profits because of a Stop Work Order issued under this Section**.**

2.190 Dispute Resolution

2.191 IN GENERAL

Any claim, counterclaim, or dispute between the State and Contractor arising out of or relating to the Contract or any Statement of Work must be resolved as follows. For all Contractor claims seeking an increase in the amounts payable to Contractor under the Contract, or the time for Contractor's performance, Contractor must submit a letter, together with all data supporting the claims, executed by Contractor's Contract Administrator or the Contract Administrator's designee certifying that (a) the claim is made in good faith, (b) the amount claimed accurately reflects the adjustments in the amounts payable to Contractor or the time for Contractor's performance for which Contractor believes the State is liable and covers all costs of every type to which Contractor is entitled from the occurrence of the claimed event, and (c) the claim and the supporting data are current and complete to Contractor's best knowledge and belief.

2.192 INFORMAL DISPUTE RESOLUTION

(a) All disputes between the parties shall be resolved under the Contract Management procedures in this Contract. If the parties are unable to resolve any dispute after compliance with the processes, the parties must meet with the Director of Procurement, DTMB, or designee, to resolve the dispute without the need for formal legal proceedings, as follows:

(1) The representatives of Contractor and the State must meet as often as the parties reasonably deem necessary to gather and furnish to each other all information with respect to the matter at issue which the parties believe to be appropriate and germane in connection with its resolution. The representatives shall discuss the problem and negotiate in good faith in an effort to resolve the dispute without the necessity of any formal proceeding.

(2) During the course of negotiations, all reasonable requests made by one party to another for non-privileged information reasonably related to the Contract shall be honored in order that each of the parties may be fully advised of the other's position.

(3) The specific format for the discussions shall be left to the discretion of the designated State and Contractor representatives, but may include the preparation of agreed upon statements of fact or written statements of position.

(4) Following the completion of this process within 60 calendar days, the Director of Procurement, DTMB, or designee, shall issue a written opinion regarding the issue(s) in dispute within 30 calendar days. The opinion regarding the dispute must be considered the State's final action and the exhaustion of administrative remedies.

(b) This Section shall not be construed to prevent either party from instituting, and a party is authorized to institute, formal proceedings earlier to avoid the expiration of any applicable limitations period, to preserve a superior position with respect to other creditors, or under Section 2.193.

(c) The State shall not mediate disputes between the Contractor and any other entity, except state agencies, concerning responsibility for performance of work under the Contract.

2.193 INJUNCTIVE RELIEF

The only circumstance in which disputes between the State and Contractor shall not be subject to the provisions of **Section 2.192** is where a party makes a good faith determination that a breach of the terms of the Contract by the other party is that the damages to the party resulting from the breach shall be so immediate, so large or severe and so incapable of adequate redress after the fact that a temporary restraining order or other immediate injunctive relief is the only adequate remedy.

2.194 CONTINUED PERFORMANCE

Each party agrees to continue performing its obligations under the Contract while a dispute is being resolved except to the extent the issue in dispute precludes performance (dispute over payment must not be deemed to preclude performance) and without limiting either party's right to terminate the Contract as provided in **Section 2.150**, as the case may be.

2.200 Federal and State Contract Requirements

2.201 NONDISCRIMINATION

In the performance of the Contract, Contractor agrees not to discriminate against any employee or applicant for employment, with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin, ancestry, age, sex, height, weight, and marital status, physical or mental disability. Contractor further agrees that every subcontract entered into for the performance of this Contract or any purchase order resulting from this Contract will contain a provision requiring non-discrimination in employment, as specified here, binding upon each Subcontractor. This covenant is required under the Elliot Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, et seq., and the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, et seq., and any breach of this provision may be regarded as a material breach of the Contract.

2.202 E-VERIFY

Section 291 of the fiscal year 2013 Omnibus Budget, PA 200 of 2012, requires verification that all new employees of the Contractor and all new employees of any approved Subcontractor, working under this Contract, are legally present to work in the United States. All Contractors shall perform this verification using the E-verify system (http://www.uscis.gov/portal/site/uscis). The Contractor's signature on the Contract is the Contractor's certification that verification has and will be performed.

2.203 UNFAIR LABOR PRACTICES

Under 1980 PA 278, MCL 423.321, et seq., the State shall not award a Contract or subcontract to an employer whose name appears in the current register of employers failing to correct an unfair labor practice compiled under section 2 of the Act. This information is compiled by the United States National Labor Relations Board. A Contractor of the State, in relation to the Contract, shall not enter into a contract with a Subcontractor, manufacturer, or supplier whose name appears in this register. Under section 4 of 1980 PA 278, MCL 423.324, the State may void any Contract if, after award of the Contract, the name of Contractor as an employer or the name of the Subcontractor, manufacturer or supplier of Contractor appears in the register.

2.204 WORKPLACE SAFETY AND DISCRIMINATORY HARASSMENT

In performing Services for the State, the Contractor shall comply with the Department of Civil Services Rule 2-20 regarding Workplace Safety and Rule 1-8.3 regarding Discriminatory Harassment. In addition, the Contractor shall comply with Civil Service regulations and any applicable agency rules provided to the Contractor. For Civil Service Rules, see http://www.mi.gov/mdcs/0,1607,7-147-6877---,00.html.

2.205 PREVAILING WAGE

Wages rates and fringe benefits to be paid each class of individuals employed by the Contractor, its subcontractors, their subcontractors, and all persons involved with the performance of this Contract in privity of contract with the Contractor shall not be less than the wage rates and fringe benefits established by the Michigan Department of Licensing and Regulatory Affairs, Wage and Hour Division, schedule of occupational classification and wage rates and fringe benefits for the local where the work is to be performed. The term Contractor shall include all general contractors, prime contractors, project managers, trade contractors, and all of their contractors or subcontractors and persons in privity of contract with them.

The Contractor, its subcontractors, their subcontractors and all persons involved with the performance of this contract in privity of contract with the Contractor shall keep posted on the work site, in a conspicuous place, a copy of all wage rates and fringe benefits as prescribed in the Contract. Contractor shall also post, in a

conspicuous place, the address and telephone number of the Michigan Department of Licensing and Regulatory Affairs, the agency responsible for enforcement of the wage rates and fringe benefits. Contractor shall keep an accurate record showing the name and occupation of the actual wage and benefits paid to each individual employed in connection with this contract. This record shall be available to the State upon request for reasonable inspection.

If any trade is omitted from the list of wage rates and fringe benefits to be paid to each class of individuals by the Contractor, it is understood that the trades omitted shall also be paid not less than the wage rate and fringe benefits prevailing in the local where the work is to be performed.

Prevailing Wage – Contractor's understands that this contract work will take place in various locations and that the State will have to provide prevailing wage rates for the various locations on a project basis. The following are contractor's loaded wage rates per position which we will pay if WTC is not provided with the wage rates for a project. WTC has also based the contract price on these rates in table below:

Western Tel-Com, Inc.

PO Box 1317 || 4273 58th Street
Holland, MI 49423
Phone (616) 393-0138 (800) 421-9616
Fax (616) 393-0132

11751 Levan
Livonia, MI 48150
Phone (313) 432-5138 (800) 616-6756
Fax (313) 432-5139

Loaded Wage Rates for Sound and Communication

Rates include applicable taxes and benefits

Communication Cabling Services

Sound & Communication – Laborer

	Loaded Hourly rate
Rate:	$13.50

Sound & Communication - Wire puller

	Loaded Hourly rate
Rate:	$14.50

Sound & Communication - Assistant Technician

	Loaded Hourly rate
Rate:	$20.00

Sound & Communication – Technician

	Loaded Hourly rate
Rate:	$23.00

Sound & Communication - Lead Technician

	Loaded Hourly rate
Rate:	$26.50

Loaded Wage Rates for Underground Construction

Rates include applicable taxes and benefits

Communication Cabling Services

Underground - Laborer Trainee

	Loaded Hourly rate
Rate:	$13.50

Underground – Laborer

	Loaded Hourly rate
Rate:	$14.50

Underground - Assistant Operator

	Loaded Hourly rate
Rate:	$20.00

Underground – Operator

	Loaded Hourly rate
Rate:	$23.00

Underground - Senior Operator

	Loaded Hourly rate
Rate:	$26.50

2.210 Governing Law

2.211 GOVERNING LAW

The Contract shall in all respects be governed by, and construed according to, the substantive laws of the State of Michigan without regard to any Michigan choice of law rules that would apply the substantive law of any other jurisdiction to the extent not inconsistent with, or pre-empted by federal law.

2.212 COMPLIANCE WITH LAWS

Contractor shall comply with all applicable state, federal and local laws and ordinances in providing the Services/Deliverables.

2.213 JURISDICTION

Any dispute arising from the Contract shall be resolved in the State of Michigan. With respect to any claim between the parties, Contractor consents to venue in Ingham County, Michigan, and irrevocably waives any objections it may have to the jurisdiction on the grounds of lack of personal jurisdiction of the court or the laying of venue of the court or on the basis of forum non conveniens or otherwise. Contractor agrees to appoint agents in the State of Michigan to receive service of process.

2.220 Limitation of Liability

2.221 LIMITATION OF LIABILITY

Neither the Contractor nor the State shall be liable to each other, regardless of the form of action, for consequential, incidental, indirect, or special damages. This limitation of liability does not apply to claims for infringement of United States patent, copyright, trademark or trade secrets; to claims for personal injury or damage to property caused by the gross negligence or willful misconduct of the Contractor; to claims covered by other specific provisions of this Contract calling for liquidated damages; or to court costs or attorney's fees awarded by a court in addition to damages after litigation based on this Contract.

The Contractor's liability for damages to the State is limited to two times the value of the Contract or $500,000 whichever is higher. The foregoing limitation of liability does not apply to claims for infringement of United States patent, copyright, trademarks or trade secrets; to claims for personal injury or damage to property caused by the gross negligence or willful misconduct of the Contractor; to claims covered by other specific provisions of this Contract calling for liquidated damages; or to court costs or attorney's fees awarded by a court in addition to damages after litigation based on this Contract.

The State's liability for damages to the Contractor is limited to the value of the Contract.

2.230 Disclosure Responsibilities

2.231 DISCLOSURE OF LITIGATION

Contractor shall disclose any material criminal litigation, investigations or proceedings involving the Contractor (and each Subcontractor) or any of its officers or directors or any litigation, investigations or proceedings under the Sarbanes-Oxley Act. In addition, each Contractor (and each Subcontractor) shall notify the State of any material civil litigation, arbitration or proceeding which arises during the term of the Contract and extensions, to which Contractor (or, to the extent Contractor is aware, any Subcontractor) is a party, and which involves: (i) disputes that might reasonably be expected to adversely affect the viability or financial stability of Contractor or any Subcontractor; or (ii) a claim or written allegation of fraud against Contractor or, to the extent Contractor is aware, any Subcontractor by a governmental or public entity arising out of their business dealings with governmental or public entities. The Contractor shall disclose in writing to the Contract Administrator any litigation, investigation, arbitration or other proceeding (collectively, "Proceeding") within 30 days of its occurrence. Details of settlements that are prevented from disclosure by the terms of the settlement may be annotated. Information provided to the State from Contractor's publicly filed documents referencing its material litigation shall be deemed to satisfy the requirements of this Section.

If any Proceeding disclosed to the State under this Section, or of which the State otherwise becomes aware, during the term of this Contract would cause a reasonable party to be concerned about:

(a) the ability of Contractor (or a Subcontractor) to continue to perform this Contract according to its terms and conditions, or

(b) whether Contractor (or a Subcontractor) in performing Services for the State is engaged in conduct which is similar in nature to conduct alleged in the Proceeding, which conduct would constitute a breach of this Contract or a violation of Michigan law, regulations or public policy, then the Contractor must provide the State all reasonable assurances requested by the State to demonstrate that:

  (1) Contractor and its Subcontractors will be able to continue to perform this Contract and any Statements of Work according to its terms and conditions, and

  (2) Contractor and its Subcontractors have not and will not engage in conduct in performing the Services which is similar in nature to the conduct alleged in the Proceeding.

(c) Contractor shall make the following notifications in writing:

  (1) Within 30 days of Contractor becoming aware that a change in its ownership or officers has occurred, or is certain to occur, or a change that could result in changes in the valuation of its capitalized assets in the accounting records, Contractor must notify DTMB-Procurement.

(2) Contractor shall also notify DTMB Procurement within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership or officers.
(3) Contractor shall also notify DTMB-Procurement within 30 days whenever changes to company affiliations occur.

2.232 CALL CENTER DISCLOSURE

Contractor and/or all subcontractors involved in the performance of this Contract providing call or contact center services to the State shall disclose the location of its call or contact center services to inbound callers. Failure to disclose this information is a material breach of this Contract.

2.233 BANKRUPTCY

The State may, without prejudice to any other right or remedy, terminate this Contract, in whole or in part, and, at its option, may take possession of the "Work in Process" and finish the Works in Process by whatever appropriate method the State may deem expedient if:

(a) the Contractor files for protection under the bankruptcy laws;
(b) an involuntary petition is filed against the Contractor and not removed within 30 days;
(c the Contractor becomes insolvent or if a receiver is appointed due to the Contractor's insolvency;
(d) the Contractor makes a general assignment for the benefit of creditors; or
(e) the Contractor or its affiliates are unable to provide reasonable assurances that the Contractor or its affiliates can deliver the services under this Contract.

Contractor will fix appropriate notices or labels on the Work in Process to indicate ownership by the State. To the extent reasonably possible, materials and Work in Process shall be stored separately from other stock and marked conspicuously with labels indicating ownership by the State.

2.240 Performance

2.241 TIME OF PERFORMANCE

(a) Contractor shall use commercially reasonable efforts to provide the resources necessary to complete all Services and Deliverables according to the time schedules contained in the Statements of Work and other Exhibits governing the work, and with professional quality.
(b) Without limiting the generality of **Section 2.241,** Contractor shall notify the State in a timely manner upon becoming aware of any circumstances that may reasonably be expected to jeopardize the timely and successful completion of any Deliverables/Services on the scheduled due dates in the latest State-approved delivery schedule and must inform the State of the projected actual delivery date.
(c) If the Contractor believes that a delay in performance by the State has caused or will cause the Contractor to be unable to perform its obligations according to specified Contract time periods, the Contractor must notify the State in a timely manner and must use commercially reasonable efforts to perform its obligations according to the Contract time periods notwithstanding the State's failure. Contractor will not be in default for a delay in performance to the extent the delay is caused by the State.

2.242 SERVICE LEVEL AGREEMENT (SLA)

(a) SLAs will be completed with the following operational considerations:

(1) SLAs will not be calculated for individual Incidents where any event of Excusable Failure has been determined; Incident means any interruption in Services.
(2) SLAs will not be calculated for individual Incidents where loss of service is planned and where the State has received prior notification or coordination.
(3) SLAs will not apply if the applicable Incident could have been prevented through planning proposed by Contractor and not implemented at the request of the State. To invoke this consideration, complete documentation relevant to the denied planning proposal must be presented to substantiate the proposal.

(4) Time period measurements will be based on the time Incidents are received by the Contractor and the time that the State receives notification of resolution based on 24x7x365 time period, except that the time period measurement will be suspended based on the following:
   (i) Time period(s) will not apply where Contractor does not have access to a physical State Location and where access to the State Location is necessary for problem identification and resolution.
   (ii) Time period(s) will not apply where Contractor needs to obtain timely and accurate information or appropriate feedback and is unable to obtain timely and accurate information or appropriate feedback from the State.

(b) Chronic Failure for any Service(s) will be defined as three unscheduled outage(s) or interruption(s) on any individual Service for the same reason or cause or if the same reason or cause was reasonably discoverable in the first instance over a rolling 30 day period. Chronic Failure will result in the State's option to terminate the effected individual Service(s) and procure them from a different Contractor for the chronic location(s) with Contractor to pay the difference in charges for up to three additional months. The termination of the Service will not affect any tiered pricing levels.

(c) Root Cause Analysis will be performed on any Business Critical outage(s) or outage(s) on Services when requested by the Contract Administrator. Contractor will provide its analysis within two weeks of outage(s) and provide a recommendation for resolution.

(d) All decimals must be rounded to two decimal places with five and greater rounding up and four and less rounding down unless otherwise specified.

2.243 LIQUIDATED DAMAGES

The parties acknowledge that late or improper completion of the Work will cause loss and damage to the State, and that it would be impracticable and extremely difficult to fix the actual damage sustained by the State as a result. Therefore, Contractor and the State agree that if there is late or improper completion of the Work and the State does not elect to exercise its rights under **Section 2.152**, the State is entitled to collect liquidated damages in the amount of $5,000.00 and an additional $100.00 per day for each day Contractor fails to remedy the late or improper completion of the Work.

Unauthorized Removal of any Key Personnel
It is acknowledged that an Unauthorized Removal will interfere with the timely and proper completion of the Contract, to the loss and damage of the State, and that it would be impracticable and extremely difficult to fix the actual damage sustained by the State as a result of any Unauthorized Removal. Therefore, Contractor and the State agree that in the case of any Unauthorized Removal in respect of which the State does not elect to exercise its rights under **Section 2.152**, the State may assess liquidated damages against Contractor as specified below.

For the Unauthorized Removal of any Key Personnel designated in the applicable Statement of Work, the liquidated damages amount is $25,000.00 per individual if the Contractor identifies a replacement approved by the State under **Section 2.060** and assigns the replacement to the Project to shadow the Key Personnel who is leaving for a period of at least 30 days before the Key Personnel's removal.

If Contractor fails to assign a replacement to shadow the removed Key Personnel for at least 30 days, in addition to the $25,000.00 liquidated damages for an Unauthorized Removal, Contractor must pay the amount of $833.33 per day for each day of the 30 day shadow period that the replacement Key Personnel does not shadow the removed Key Personnel, up to $25,000.00 maximum per individual. The total liquidated damages that may be assessed per Unauthorized Removal and failure to provide 30 days of shadowing must not exceed $50,000.00 per individual.

2.244 EXCUSABLE FAILURE

Neither party will be liable for any default, damage or delay in the performance of its obligations under the Contract to the extent the default, damage or delay is caused by government regulations or requirements (executive, legislative, judicial, military or otherwise), power failure, electrical surges or current fluctuations, lightning, earthquake, war, water or other forces of nature or acts of God, delays or failures of transportation, equipment shortages, suppliers' failures, or acts or omissions of common carriers, fire; riots, civil disorders;

strikes or other labor disputes, embargoes; injunctions (provided the injunction was not issued as a result of any fault or negligence of the party seeking to have its default or delay excused); or any other cause beyond the reasonable control of a party; provided the non-performing party and its Subcontractors are without fault in causing the default or delay, and the default or delay could not have been prevented by reasonable precautions and cannot reasonably be circumvented by the non-performing party through the use of alternate sources, workaround plans or other means, including disaster recovery plans.

If a party does not perform its contractual obligations for any of the reasons listed above, the non-performing party will be excused from any further performance of its affected obligation(s) for as long as the circumstances prevail. But the party must use commercially reasonable efforts to recommence performance whenever and to whatever extent possible without delay. A party must promptly notify the other party in writing immediately after the excusable failure occurs, and also when it abates or ends.

If any of the above-enumerated circumstances substantially prevent, hinder, or delay the Contractor's performance of the Services/provision of Deliverables for more than 10 Business Days, and the State determines that performance is not likely to be resumed within a period of time that is satisfactory to the State in its reasonable discretion, then at the State's option: (a) the State may procure the affected Services/Deliverables from an alternate source, and the State is not be liable for payment for the unperformed Services/ Deliverables not provided under the Contract for so long as the delay in performance continues; (b) the State may terminate any portion of the Contract so affected and the charges payable will be equitably adjusted to reflect those Services/Deliverables terminated; or (c) the State may terminate the affected Statement of Work without liability to Contractor as of a date specified by the State in a written notice of termination to the Contractor, except to the extent that the State must pay for Services/Deliverables provided through the date of termination.

The Contractor will not have the right to any additional payments from the State as a result of any Excusable Failure occurrence or to payments for Services not rendered/Deliverables not provided as a result of the Excusable Failure condition. Defaults or delays in performance by Contractor which are caused by acts or omissions of its Subcontractors will not relieve Contractor of its obligations under the Contract except to the extent that a Subcontractor is itself subject to an Excusable Failure condition described above and Contractor cannot reasonably circumvent the effect of the Subcontractor's default or delay in performance through the use of alternate sources, workaround plans or other means.

2.250 Approval of Deliverables

2.251 DELIVERY OF DELIVERABLES

A list of the Deliverables to be prepared and delivered by Contractor including, for each Deliverable, the scheduled delivery date and a designation of whether the Deliverable is a document ("Written Deliverable") or a Custom Software Deliverable is attached, if applicable. All Deliverables shall be completed and delivered for State review and written approval and, where applicable, installed in accordance with the State-approved delivery schedule and any other applicable terms and conditions of this Contract.

Prior to delivering any Deliverable to the State, Contractor will first perform all required quality assurance activities, and, in the case of Custom Software Deliverables, System Testing to verify that the Deliverable is complete and in conformance with its specifications. Before delivering a Deliverable to the State, Contractor shall certify to the State that (1) it has performed such quality assurance activities, (2) it has performed any applicable testing, (3) it has corrected all material deficiencies discovered during such quality assurance activities and testing, (4) the Deliverable is in a suitable state of readiness for the State's review and approval, and (5) the Deliverable/Service has all Critical Security patches/updates applied.

In discharging its obligations under this Section, Contractor shall be at all times (except where the parties agree otherwise in writing) in compliance with Level 3 of the Software Engineering Institute's Capability Maturity Model for Software ("CMM Level 3") or its equivalent.

2.252 CONTRACTOR SYSTEM TESTING

Contractor will be responsible for System Testing each Custom Software Deliverable in Contractor's development environment prior to turning over the Custom Software Deliverable to the State for User Acceptance Testing and approval. Contractor's System Testing shall include the following, at a minimum, plus any other testing required by CMM Level 3 or Contractor's system development methodology:

Contractor will be responsible for performing Unit Testing and incremental Integration Testing of the components of each Custom Software Deliverable.

Contractor's System Testing will also include Integration Testing of each Custom Software Deliverable to ensure proper inter-operation with all prior software Deliverables, interfaces and other components that are intended to inter-operate with such Custom Software Deliverable, and will include Regression Testing, volume and stress testing to ensure that the Custom Software Deliverables are able to meet the State's projected growth in the number and size of transactions to be processed by the Application and number of users, as such projections are set forth in the applicable Statement of Work.

Contractor's System Testing will also include Business Function Testing and Technical Testing of each Application in a simulated production environment. Business Function Testing will include testing of full work streams that flow through the Application as the Application will be incorporated within the State's computing environment. The State shall participate in and provide support for the Business Function Testing to the extent reasonably requested by Contractor. Within ten (10) days before the commencement of Business Function Testing pursuant to this Section, Contractor shall provide the State for State review and written approval Contractor's test plan for Business Function Testing.

Within five (5) Business Days following the completion of System Testing pursuant to this **Section**, Contractor shall provide to the State a testing matrix establishing that testing for each condition identified in the System Testing plans has been conducted and successfully concluded. To the extent that testing occurs on State premises, the State shall be entitled to observe or otherwise participate in testing under this Section as the State may elect.

2.253 APPROVAL OF DELIVERABLES, IN GENERAL

All Deliverables (Written Deliverables and Custom Software Deliverables) require formal written approval by the State, in accordance with the following procedures. Formal approval by the State requires that the Deliverable be confirmed in writing by the State to meet its specifications, which, in the case of Custom Software Deliverables, will include the successful completion of State User Acceptance Testing, to be led by the State with the support and assistance of Contractor. The parties acknowledge that the approval process set forth herein will be facilitated by ongoing consultation between the parties, visibility of interim and intermediate Deliverables and collaboration on key decisions.

The State's obligation to comply with any State Review Period is conditioned on the timely delivery of Deliverables being reviewed. If Contractor fails to provide a Deliverable to the State in a timely manner, the State will nevertheless use commercially reasonable efforts to complete its review or testing within the applicable State Review Period.

Before commencement of its review or testing of a Deliverable, the State may inspect the Deliverable to confirm that all components of the Deliverable (e.g., software, associated documentation, and other materials) have been delivered. If the State determines that the Deliverable is incomplete, the State may refuse delivery of the Deliverable without performing any further inspection or testing of the Deliverable. Otherwise, the review period will be deemed to have started on the day the State receives the Deliverable and the applicable certification by Contractor in accordance with this Section.

The State will approve in writing a Deliverable upon confirming that it conforms to and, in the case of a Custom Software Deliverable, performs in accordance with, its specifications without material deficiency. The State may, but shall not be required to, conditionally approve in writing a Deliverable that contains material

deficiencies if the State elects to permit Contractor to rectify them post-approval. In any case, Contractor will be responsible for working diligently to correct within a reasonable time at Contractor's expense all deficiencies in the Deliverable that remain outstanding at the time of State approval.

If, after three (3) opportunities (the original and two repeat efforts), Contractor is unable to correct all deficiencies preventing State approval of a Deliverable, the State may: (i) demand that Contractor cure the failure and give Contractor additional time to cure the failure at the sole expense of Contractor; or (ii) keep this Contract in force and do, either itself or through other parties, whatever Contractor has failed to do, in which event Contractor shall bear any excess expenditure incurred by the State in so doing beyond the contract price for such Deliverable and will pay the State an additional sum equal to ten percent (10%) of such excess expenditure to cover the State's general expenses without the need to furnish proof in substantiation of such general expenses; or (iii) terminate this Contract for default, either in whole or in part by notice to Contractor (and without the need to afford Contractor any further opportunity to cure). Notwithstanding the foregoing, the State shall not use, as a basis for exercising its termination rights under this Section, deficiencies discovered in a repeat State Review Period that could reasonably have been discovered during a prior State Review Period.

The State, at any time and in its own discretion, may halt the UAT or approval process if such process reveals deficiencies in or problems with a Deliverable in a sufficient quantity or of a sufficient severity as to make the continuation of such process unproductive or unworkable. In such case, the State may return the applicable Deliverable to Contractor for correction and re-delivery prior to resuming the review or UAT process and, in that event, Contractor will correct the deficiencies in such Deliverable in accordance with the Contract, as the case may be.

Approval in writing of a Deliverable by the State shall be provisional; that is, such approval shall not preclude the State from later identifying deficiencies in, and declining to accept, a subsequent Deliverable based on or which incorporates or inter-operates with an approved Deliverable, to the extent that the results of subsequent review or testing indicate the existence of deficiencies in the subsequent Deliverable, or if the Application of which the subsequent Deliverable is a component otherwise fails to be accepted pursuant to **Section 2.080**.

2.254 PROCESS FOR APPROVAL OF WRITTEN DELIVERABLES

The State Review Period for Written Deliverables will be the number of days set forth in the applicable Statement of Work following delivery of the final version of the Written Deliverable (failing which the State Review Period, by default, shall be five (5) Business Days for Written Deliverables of one hundred (100) pages or less and ten (10) Business Days for Written Deliverables of more than one hundred (100) pages). The duration of the State Review Periods will be doubled if the State has not had an opportunity to review an interim draft of the Written Deliverable prior to its submission to the State. The State agrees to notify Contractor in writing by the end of the State Review Period either stating that the Written Deliverable is approved in the form delivered by Contractor or describing any deficiencies that shall be corrected prior to approval of the Written Deliverable (or at the State's election, subsequent to approval of the Written Deliverable). If the State delivers to Contractor a notice of deficiencies, Contractor will correct the described deficiencies and within five (5) Business Days resubmit the Deliverable in a form that shows all revisions made to the original version delivered to the State. Contractor's correction efforts will be made at no additional charge. Upon receipt of a corrected Written Deliverable from Contractor, the State will have a reasonable additional period of time, not to exceed the length of the original State Review Period, to review the corrected Written Deliverable to confirm that the identified deficiencies have been corrected.

2.255 PROCESS FOR APPROVAL OF CUSTOM SOFTWARE DELIVERABLES

The State will conduct UAT of each Custom Software Deliverable in accordance with the following procedures to determine whether it meets the criteria for State approval – i.e., whether it conforms to and performs in accordance with its specifications without material deficiencies.

Within thirty (30) days (or such other number of days as the parties may agree to in writing) prior to Contractor's delivery of any Custom Software Deliverable to the State for approval, Contractor shall provide to the State a set of proposed test plans, including test cases, scripts, data and expected outcomes, for the

State's use (which the State may supplement in its own discretion) in conducting UAT of the Custom Software Deliverable. Contractor, upon request by the State, shall provide the State with reasonable assistance and support during the UAT process.

For the Custom Software Deliverables listed in an attachment, the State Review Period for conducting UAT will be as indicated in the attachment. For any other Custom Software Deliverables not listed in an attachment, the State Review Period shall be the number of days agreed in writing by the parties (failing which it shall be forty-five (45) days by default). The State Review Period for each Custom Software Deliverable will begin when Contractor has delivered the Custom Software Deliverable to the State accompanied by the certification required by this **Section** and the State's inspection of the Deliverable has confirmed that all components of it have been delivered.

The State's UAT will consist of executing test scripts from the proposed testing submitted by Contractor, but may also include any additional testing deemed appropriate by the State. If the State determines during the UAT that the Custom Software Deliverable contains any deficiencies, the State will notify Contractor of the deficiency by making an entry in an incident reporting system available to both Contractor and the State. Contractor will modify promptly the Custom Software Deliverable to correct the reported deficiencies, conduct appropriate System Testing (including, where applicable, Regression Testing) to confirm the proper correction of the deficiencies and re-deliver the corrected version to the State for re-testing in UAT. Contractor will coordinate the re-delivery of corrected versions of Custom Software Deliverables with the State so as not to disrupt the State's UAT process. The State will promptly re-test the corrected version of the Software Deliverable after receiving it from Contractor.

Within three (3) business days after the end of the State Review Period, the State will give Contractor a written notice indicating the State's approval or rejection of the Custom Software Deliverable according to the criteria and process set out in this **Section**.

2.256 FINAL ACCEPTANCE

"Final Acceptance" shall be considered to occur when the Custom Software Deliverable to be delivered has been approved by the State and has been operating in production without any material deficiency for fourteen (14) consecutive days. If the State elects to defer putting a Custom Software Deliverable into live production for its own reasons, not based on concerns about outstanding material deficiencies in the Deliverable, the State shall nevertheless grant Final Acceptance of the Project.

2.260 Ownership

2.261 OWNERSHIP OF WORK PRODUCT BY STATE

The State owns all Deliverables, as they are work made for hire by the Contractor for the State. The State owns all United States and international copyrights, trademarks, patents or other proprietary rights in the Deliverables.

2.262 VESTING OF RIGHTS

With the sole exception of any preexisting licensed works identified in the SOW, the Contractor assigns, and upon creation of each Deliverable automatically assigns, to the State, ownership of all United States and international copyrights, trademarks, patents, or other proprietary rights in each and every Deliverable, whether or not registered by the Contractor, insofar as any the Deliverable, by operation of law, may not be considered work made for hire by the Contractor for the State. From time to time upon the State's request, the Contractor must confirm the assignment by execution and delivery of the assignments, confirmations of assignment, or other written instruments as the State may request. The State may obtain and hold in its own name all copyright, trademark, and patent registrations and other evidence of rights that may be available for Deliverables.

2.263 RIGHTS IN DATA

The State is the owner of all data made available by the State to the Contractor or its agents, Subcontractors or representatives under the Contract. The Contractor will not use the State's data for any purpose other than providing the Services, nor will any part of the State's data be disclosed, sold, assigned, leased or otherwise disposed of to the general public or to specific third parties or commercially exploited by or on behalf of the Contractor. No employees of the Contractor, other than those on a strictly need-to-know basis, have access to the State's data. Contractor will not possess or assert any lien or other right against the State's data. Without limiting the generality of this Section, the Contractor must only use personally identifiable information as strictly necessary to provide the Services and must disclose the information only to its employees who have a strict need-to-know the information. The Contractor must comply at all times with all laws and regulations applicable to the personally identifiable information.

The State is the owner of all State-specific data under the Contract. The State may use the data provided by the Contractor for any purpose. The State will not possess or assert any lien or other right against the Contractor's data. Without limiting the generality of this Section, the State may use personally identifiable information only as strictly necessary to utilize the Services and must disclose the information only to its employees who have a strict need to know the information, except as provided by law. The State must comply at all times with all laws and regulations applicable to the personally identifiable information. Other material developed and provided to the State remains the State's sole and exclusive property.

2.264 OWNERSHIP OF MATERIALS

The State and the Contractor will continue to own their respective proprietary technologies developed before entering into the Contract. Any hardware bought through the Contractor by the State, and paid for by the State, will be owned by the State. Any software licensed through the Contractor and sold to the State, will be licensed directly to the State.

2.270 State Standards

2.271 EXISTING TECHNOLOGY STANDARDS

The Contractor must adhere to all existing standards as described within the comprehensive listing of the State's existing technology standards at http://www.michigan.gov/dmb/0,4568,7-150-56355-108233--,00.html;.

2.272 ACCEPTABLE USE POLICY

To the extent that Contractor has access to the State computer system, Contractor must comply with the State's Acceptable Use Policy, see http://michigan.gov/cybersecurity/0,1607,7-217-34395_34476---,00.html. All Contractor employees must be required, in writing, to agree to the State's Acceptable Use Policy before accessing the State system. The State reserves the right to terminate Contractor's access to the State system if a violation occurs.

2.273 SYSTEMS CHANGES

Contractor is not responsible for and not authorized to make changes to any State systems without written authorization from the Project Manager. Any changes Contractor makes to State systems with the State's approval must be done according to applicable State procedures, including security, access and configuration management procedures.

2.280 Extended Purchasing

2.281 MIDEAL (MICHIGAN DELIVERY EXTENDED AGREEMENTS LOCALLY

A. MiDEAL Requirements
   1. The Contractor must ensure that all purchasers are MiDEAL Members before extending the Contract pricing. A current listing of approved MiDEAL Members is available at: www.michigan.gov/mideal.

2. The Contractor must submit quarterly reports of MiDEAL purchasing activities to DTMB-Procurement.
3. The Contractor must submit invoices to and receive payment from MiDEAL Members on a direct and individual basis.
4. Estimated requirements for MiDEAL members are not included in the quantities shown in this RFP, unless otherwise noted.
5. The State of Michigan reserves the right to negotiate additional discounts based on any increased volumes by MiDEAL members.

B. MiDEAL Administrative Fee

1. The Contractor must remit a MiDEAL administrative fee on all sales transacted under this Contract, and remit the fee within 30 days after the end of each quarter. The administrative fee equals 1% percent of the total quarterly sales reported.

2. The Contractor must pay the administrative fee by check payable to the State of Michigan. The Contractor must identify the check as an "Administrative Fee" and include the following information with the payment: the applicable Contract Number, the total quarterly sales by volume and dollar amount, and the quarter covered.

3. The Contractor must send the check to the following address:
   Department of Technology, Management and Budget
   Financial Services – Cashier Unit
   Lewis Cass Building
   320 South Walnut St.
   P.O. Box 30681
   Lansing, MI 48909

2.282 STATE EMPLOYEE PURCHASES

The State allows State employees to purchase from this Contract. Unless otherwise stated, it is the responsibility of the Contractor to ensure that the State employee is an authorized purchaser before extending the Contract pricing.

The Contractor will supply Contract Services and Deliverables at the established State of Michigan contract prices and terms to the extent applicable and where available. The Contractor shall send its invoices to and pay the State employee on a direct and individual basis.

To the extent that authorized State employees purchase quantities of Services or Deliverables under this Contract, the quantities of Services and/or Deliverables purchased will be included in determining the appropriate rate wherever tiered pricing based on quantity is provided.

2.283 COOPERATIVE PURCHASING

(a) This Contract may be extended to additional States or governmental jurisdictions upon mutual written agreement between the State of Michigan and the Contractor. Political subdivisions and other authorized entities within each participating State or governmental jurisdiction may also participate in this Contract if such State allows participation by such entities.
(b) All MiDEAL processes, invoicing relationships, reporting and MiDEAL Service Fee also apply to cooperative purchasing participants.
(c) The State of Michigan reserves the right to negotiate additional discounts based on any increased volume generated by such extensions.

2.290 Environmental Provision

2.291 ENVIRONMENTAL PROVISION

Energy Efficiency Purchasing Policy: The State seeks wherever possible to purchase energy efficient products. This includes giving preference to U.S. Environmental Protection Agency (EPA) certified 'Energy Star' products for any category of products for which EPA has established Energy Star certification. For other purchases, the State may include energy efficiency as one of the priority factors to consider when choosing among comparable products.

Environmental Purchasing Policy: The State of Michigan is committed to encouraging the use of products and services that impact the environment less than competing products. The State is accomplishing this by including environmental considerations in purchasing decisions, while remaining fiscally responsible, to promote practices that improve worker health, conserve natural resources, and prevent pollution. Environmental components that are to be considered include: recycled content and recyclables; energy efficiency; and the presence of undesirable materials in the products, especially those toxic chemicals which are persistent and bioaccumulative. The Contractor should be able to supply products containing recycled and environmentally preferable materials that meet performance requirements and is encouraged to offer such products throughout the duration of this Contract. Information on any relevant third party certification (such as Green Seal, Energy Star, etc.) should also be provided.

Hazardous Materials: For the purposes of this Section, "Hazardous Materials" is a generic term used to describe asbestos, ACBMs, PCBs, petroleum products, construction materials including paint thinners, solvents, gasoline, oil, and any other material the manufacture, use, treatment, storage, transportation or disposal of which is regulated by the federal, state or local laws governing the protection of the public health, natural resources or the environment. This includes, but is not limited to, materials the as batteries and circuit packs, and other materials that are regulated as (1) "Hazardous Materials" under the Hazardous Materials Transportation Act, (2) "chemical hazards" under the Occupational Safety and Health Administration standards, (3) "chemical substances or mixtures" under the Toxic Substances Control Act, (4) "pesticides" under the Federal Insecticide Fungicide and Rodenticide Act, and (5) "hazardous wastes" as defined or listed under the Resource Conservation and Recovery Act.

(a) The Contractor shall use, handle, store, dispose of, process, transport and transfer any material considered a Hazardous Material according to all federal, State and local laws. The State shall provide a safe and suitable environment for performance of Contractor's Work. Before the commencement of Work, the State shall advise the Contractor of the presence at the work site of any Hazardous Material to the extent that the State is aware of the Hazardous Material. If the Contractor encounters material reasonably believed to be a Hazardous Material and which may present a substantial danger, the Contractor shall immediately stop all affected Work, notify the State in writing about the conditions encountered, and take appropriate health and safety precautions.

(b) Upon receipt of a written notice, the State will investigate the conditions. If (a) the material is a Hazardous Material that may present a substantial danger, and (b) the Hazardous Material was not brought to the site by the Contractor, or does not result in whole or in part from any violation by the Contractor of any laws covering the use, handling, storage, disposal of, processing, transport and transfer of Hazardous Materials, the State shall order a suspension of Work in writing. The State shall proceed to have the Hazardous Material removed or rendered harmless. In the alternative, the State shall terminate the affected Work for the State's convenience.

(c) Once the Hazardous Material has been removed or rendered harmless by the State, the Contractor shall resume Work as directed in writing by the State. Any determination by the Michigan Department of Community Health or the Michigan Department of Environmental Quality that the Hazardous Material has either been removed or rendered harmless is binding upon the State and Contractor for the purposes of resuming the Work. If any incident with Hazardous Material results in delay not reasonable anticipatable under the circumstances and which is attributable to the State, the applicable SLAs for the affected Work will not be counted in a time as mutually agreed by the parties.

(d) If the Hazardous Material was brought to the site by the Contractor, or results in whole or in part from any violation by the Contractor of any laws covering the use, handling, storage, disposal of, processing,

transport and transfer of Hazardous Material, or from any other act or omission within the control of the Contractor, the Contractor shall bear its proportionate share of the delay and costs involved in cleaning up the site and removing and rendering harmless the Hazardous Material according to Applicable Laws to the condition approved by applicable regulatory agency(ies).

Labeling: Michigan has a Consumer Products Rule pertaining to labeling of certain products containing volatile organic compounds. For specific details visit http://www.michigan.gov/deq/0,1607,7-135-3310_4108-173523--,00.html

Refrigeration and Air Conditioning: The Contractor shall comply with the applicable requirements of Sections 608 and 609 of the Clean Air Act (42 U.S.C. 7671g and 7671h) as each or both apply to this contract.

Environmental Performance: Waste Reduction Program - Contractor shall establish a program to promote cost-effective waste reduction in all operations and facilities covered by this contract. The Contractor's programs shall comply with applicable Federal, State, and local requirements, specifically including Section 6002 of the Resource Conservation and Recovery Act (42 U.S.C. 6962, et seq.).

2.300 Deliverables

2.301 SOFTWARE

A list of the items of software the State is required to purchase for executing the Contract is attached. The list includes all software required to complete the Contract and make the Deliverables operable; if any additional software is required in order for the Deliverables to meet the requirements of this Contract, such software shall be provided to the State by Contractor at no additional charge (except where agreed upon and specified in a Statement of Work or Contract Change Notice). The attachment also identifies certain items of software to be provided by the State.

2.302 HARDWARE

A list of the items of hardware the State is required to purchase for executing the Contract is attached. The list includes all hardware required to complete the Contract and make the Deliverables operable; if any additional hardware is required in order for the Deliverables to meet the requirements of this Contract, such hardware shall be provided to the State by Contractor at no additional charge (except where agreed upon and specified in a Contract Change Notice). The attachment also identifies certain items of hardware to be provided by the State.

2.310 Software Warranties

2.311 PERFORMANCE WARRANTY

The Contractor represents and warrants that Deliverables, after Final Acceptance, will perform and operate in compliance with the requirements and other standards of performance contained in this Contract (including all descriptions, specifications and drawings made a part of the Contract) for a period of (90) ninety days. In the event of a breach of this warranty, Contractor will promptly correct the affected Deliverable(s) at no charge to the State.

2.312 NO SURREPTITIOUS CODE WARRANTY

The Contractor represents and warrants that no copy of licensed Software provided to the State contains or will contain any Self-Help Code or any Unauthorized Code as defined below. This warranty is referred to in this Contract as the “No Surreptitious Code Warranty.”

As used in this Contract, “Self-Help Code” means any back door, time bomb, drop dead device, or other software routine designed to disable a computer program automatically with the passage of time or under the positive control of a person other than the licensee of the software. Self-Help Code does not include Software routines in a computer program, if any, designed to permit an owner of the computer program (or other person

acting by authority of the owner) to obtain access to a licensee's computer system(s) (e.g. remote access via modem) for purposes of maintenance or technical support.

As used in this Contract, "Unauthorized Code" means any virus, Trojan horse, spyware, worm or other Software routines or components designed to permit unauthorized access to disable, erase, or otherwise harm software, equipment, or data; or to perform any other such actions. The term Unauthorized Code does not include Self-Help Code. Unauthorized Code does not include Software routines in a computer program, if any, designed to permit an owner of the computer program (or other person acting by authority of the owner) to obtain access to a licensee's computer system(s) (e.g. remote access via modem) for purposes of maintenance or technical support.

In addition, Contractor will use up-to-date commercial virus detection software to detect and remove any viruses from any software prior to delivering it to the State.

2.313 CALENDAR WARRANTY

The Contractor represents and warrants that all software for which the Contractor either sells or licenses to the State of Michigan and used by the State prior to, during or after the calendar year 2000, includes or shall include, at no added cost to the State, design and performance so the State shall not experience software abnormality and/or the generation of incorrect results from the software, due to date oriented processing, in the operation of the business of the State of Michigan.

The software design, to insure calendar year rollover compatibility, shall include, but is not limited to: data structures (databases, data files, etc.) that provide 4-digit date century; stored data that contain date century recognition, including, but not limited to, data stored in databases and hardware device internal system dates; calculations and program logic (e.g., sort algorithms, calendar generation, event recognition, and all processing actions that use or produce date values) that accommodates same century and multi-century formulas and date values; interfaces that supply data to and receive data from other systems or organizations that prevent non-compliant dates and data from entering any State system; user interfaces (i.e., screens, reports, etc.) that accurately show 4 digit years; and assurance that the year 2000 shall be correctly treated as a leap year within all calculation and calendar logic.

2.314 THIRD-PARTY SOFTWARE WARRANTY

The Contractor represents and warrants that it will disclose the use or incorporation of any third-party software into the Deliverables. At the time of Delivery, the Contractor shall provide in writing the name and use of any Third-party Software, including information regarding the Contractor's authorization to include and utilize such software. The notice shall include a copy of any ownership agreement or license that authorizes the Contractor to use the Third-party Software.

2.315 PHYSICAL MEDIA WARRANTY

Contractor represents and warrants that each licensed copy of the Software provided by the Contractor is free from physical defects in the media that tangibly embodies the copy. This warranty does not apply to defects discovered more than (30) thirty days after that date of Final Acceptance of the Software by the State. This warranty does not apply to defects arising from acts of Excusable Failure. If the Contractor breaches this warranty, then the State shall be entitled to replacement of the non-compliant copy by Contractor, at Contractor's expense (including shipping and handling).

2.320 Software Licensing

2.321 CROSS-LICENSE, DELIVERABLES ONLY, LICENSE TO CONTRACTOR

The State grants to the Contractor, the royalty-free, world-wide, non-exclusive right and license under any Deliverable now or in the future owned by the State, or with respect to which the State has a right to grant such rights or licenses, to the extent required by the Contractor to market the Deliverables and exercise its full rights

in the Deliverables, including, without limitation, the right to make, use and sell products and services based on or incorporating such Deliverables.

2.322 CROSS-LICENSE, DELIVERABLES AND DERIVATIVE WORK, LICENSE TO CONTRACTOR

The State grants to the Contractor, the royalty-free, world-wide, non-exclusive right and license under any Deliverable and/or Derivative Work now or in the future owned by the State, or with respect to which the State has a right to grant such rights or licenses, to the extent required by the Contractor to market the Deliverables and/or Derivative Work and exercise its full rights in the Deliverables and/or Derivative Work, including, without limitation, the right to make, use and sell products and services based on or incorporating such Deliverables and/or Derivative Work.

2.323 LICENSE BACK TO THE STATE

Unless otherwise specifically agreed to by the State, before initiating the preparation of any Deliverable that is a Derivative of a preexisting work, the Contractor shall cause the State to have and obtain the irrevocable, nonexclusive, worldwide, royalty-free right and license to (1) use, execute, reproduce, display, perform, distribute internally or externally, sell copies of, and prepare Derivative Works based upon all preexisting works and Derivative Works thereof, and (2) authorize or sublicense others from time to time to do any or all of the foregoing.

2.324 LICENSE RETAINED BY CONTRACTOR

Contractor grants to the State a non-exclusive, royalty-free, site-wide, irrevocable, transferable license to use the Software and related documentation according to the terms and conditions of this Contract. For the purposes of this license, “site-wide” includes any State of Michigan office regardless of its physical location.

The State may modify the Software and may combine such with other programs or materials to form a derivative work. The State will own and hold all copyright, trademarks, patent and other intellectual property rights in any derivative work, excluding any rights or interest in Software other than those granted in this Contract.

The State may copy each item of Software to multiple hard drives or networks unless otherwise agreed by the parties.

The State will make and maintain no more than one archival copy of each item of Software, and each copy will contain all legends and notices and will be subject to the same conditions and restrictions as the original. The State may also make copies of the Software in the course of routine backups of hard drive(s) for the purpose of recovery of hard drive contents.

In the event that the Contractor shall, for any reason, cease to conduct business, or cease to support the Software, the State shall have the right to convert these licenses into perpetual licenses, with rights of quiet enjoyment, but subject to payment obligations not to exceed the then current rates.

2.325 PRE-EXISTING MATERIALS FOR CUSTOM SOFTWARE DELIVERABLES

Neither Contractor nor any of its Subcontractors shall incorporate any preexisting materials (including Standard Software) into Custom Software Deliverables or use any pre-existing materials to produce Custom Software Deliverables if such pre-existing materials will be needed by the State in order to use the Custom Software Deliverables unless (i) such pre-existing materials and their owners are identified to the State in writing and (ii) such pre-existing materials are either readily commercially available products for which Contractor or its Subcontractor, as the case may be, has obtained a license (in form and substance approved by the State) in the name of the State, or are materials that Contractor or its Subcontractor, as the case may be, has the right to license to the State and has licensed to the State on terms and conditions approved by the State prior to using such pre-existing materials to perform the Services.

2.330 Source Code Escrow

2.331 DEFINITION

"Source Code Escrow Package" shall mean:

(a) A complete copy in machine-readable form of the source code and executable code of the Licensed Software, including any updates or new releases of the product;

(b) A complete copy of any existing design documentation and user documentation, including any updates or revisions; and/or

(c) Complete instructions for compiling and linking every part of the source code into executable code for purposes of enabling verification of the completeness of the source code as provided below. Such instructions shall include precise identification of all compilers, library packages, and linkers used to generate executable code.

2.332 DELIVERY OF SOURCE CODE INTO ESCROW

Contractor shall deliver a Source Code Escrow Package to the Escrow Agent, pursuant to the Escrow Contract, which shall be entered into on commercially reasonable terms subject to the provisions of this Contract within (30) thirty days of the execution of this Contract.

2.333 DELIVERY OF NEW SOURCE CODE INTO ESCROW

If at any time during the term of this Contract, the Contractor provides a maintenance release or upgrade version of the Licensed Software, Contractor shall within ten (10) days deposit with the Escrow Agent, in accordance with the Escrow Contract, a Source Code Escrow Package for the maintenance release or upgrade version, and provide the State with notice of the delivery.

2.334 VERIFICATION

The State reserves the right at any time, but not more than once a year, either itself or through a third party contractor, upon thirty (30) days written notice, to seek verification of the Source Code Escrow Package.

2.335 ESCROW FEES

The Contractor will pay all fees and expenses charged by the Escrow Agent.

2.336 RELEASE EVENTS

The Source Code Escrow Package may be released from escrow to the State, temporarily or permanently, upon the occurrence of one or more of the following:

(a) The Contractor becomes insolvent, makes a general assignment for the benefit of creditors, files a voluntary petition of bankruptcy, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under bankruptcy or insolvency law, whether domestic or foreign;

(b) The Contractor has wound up or liquidated its business voluntarily or otherwise and the State has reason to believe that such events will cause the Contractor to fail to meet its warranties and maintenance obligations in the foreseeable future;

(c) The Contractor voluntarily or otherwise discontinues support of the provided products or fails to support the products in accordance with its maintenance obligations and warranties.

2.337 RELEASE EVENT PROCEDURES

If the State desires to obtain the Source Code Escrow Package from the Escrow Agent upon the occurrence of an Event in this **Section**, then:

(a) The State shall comply with all procedures in the Escrow Contract;

(b) The State shall maintain all materials and information comprising the Source Code Escrow Package in confidence in accordance with this Contract;

(c) If the release is a temporary one, then the State shall promptly return all released materials to Contractor when the circumstances leading to the release are no longer in effect.

2.338 LICENSE

Upon release from the Escrow Agent pursuant to an event described in this **Section**, the Contractor automatically grants the State a non-exclusive, irrevocable license to use, reproduce, modify, maintain, support, update, have made, and create Derivative Works. Further, the State shall have the right to use the Source Code Escrow Package in order to maintain and support the Licensed Software so that it can be used by the State as set forth in this Contract.

2.339 DERIVATIVE WORKS

Any Derivative Works to the source code released from escrow that are made by or on behalf of the State shall be the sole property of the State. The State acknowledges that its ownership rights are limited solely to the Derivative Works and do not include any ownership rights in the underlying source code.

RFP-SS- 084R3200018

Attachment C: Secured Facilities

Special Secured Facilities

The following type of facilities may have a negotiated labor price factor applied to only the labor portion of the unit prices when working in:

Maximum Security Prison

Minimum Security Prison

Maximum Security Mental Hospital

Minimum Security Mental Hospital

Maximum Security Juvenile Facility

Minimum Security Juvenile Facility

It is proper to assume there will be times when workers are not allowed to perform work due to State imposed reasons in the above stated type of facilities. When this work delay occurs the State will assume some financial responsibility for the personnel that are inhibited from performing their work assignments. The State **MUST** be notified that this condition is occurring at the **start** of such work restriction. The person to be notified is the MDIT duly designated Project Manager. The duly authorized MDIT Project manager is the **only** person that can approve payment for such work restriction. Only for persons assigned to and are physically at the job site will billing for lost man-hours be allowed. At the time of such notice the MDIT Project Manager will determine whether to keep the workers at the site or release the workers so the contractor can utilize them at other contractor sites. The billing for lost man-hours, as agreed to by the Project Manager, will be at the following rates:

(Contractor to supply all applicable job classifications)

Job Classification	Hourly Rate
First Line Supervisor	$ 65.00
Project Manager	$ 70.00
Cable Installer	$ 55.00

Western Tel-Com, Inc. has included, in this attachment, our proposed labor price for Secured Facilities. They are in the same format as the Unit Pricing in Attachment A. The pricing we are providing is for work to be completed inside the "bubble" for the secured facilities listed above, work completed outside the "bubble" would be our Attachment A unit prices.

Additional Attachments are saved separately due to size.

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE: 1
Special Secured Area

Material Manufacturer: Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.08	0.51	0.75	0.51	0.70	0.51	0.67	0.51	1.08	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.30	1.02	0.90	1.02	0.85	1.02	0.80	1.02	1.30	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.52	1.52	1.05	1.52	0.99	1.52	0.93	1.52	1.52	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.73	2.03	1.20	2.03	1.13	2.03	1.07	2.03	1.73	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.95	2.54	1.35	2.54	1.27	2.54	1.20	2.54	1.95	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.17	3.05	1.50	3.05	1.41	3.05	1.33	3.05	2.17	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.38	3.55	1.65	3.55	1.55	3.55	1.47	3.55	2.38	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.60	4.06	1.80	4.06	1.69	4.06	1.60	4.06	2.60	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.52	0.51	1.05	0.51	0.99	0.51	0.93	0.51	1.52	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.82	1.02	1.26	1.02	1.18	1.02	1.12	1.02	1.82	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.12	1.52	1.47	1.52	1.38	1.52	1.31	1.52	2.12	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.43	2.03	1.68	2.03	1.58	2.03	1.49	2.03	2.43	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.73	2.54	1.89	2.54	1.77	2.54	1.68	2.54	2.73	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.03	3.05	2.10	3.05	1.97	3.05	1.87	3.05	3.03	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.34	3.55	2.31	3.55	2.17	3.55	2.05	3.55	3.34	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.64	4.06	2.52	4.06	2.37	4.06	2.24	4.06	3.64	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.08	0.22	0.75	0.22	0.70	0.22	0.67	0.22	1.08	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.30	0.45	0.90	0.45	0.85	0.45	0.80	0.45	1.30	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.52	0.67	1.05	0.67	0.99	0.67	0.93	0.67	1.52	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.73	0.90	1.20	0.90	1.13	0.90	1.07	0.90	1.73	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.95	1.12	1.35	1.12	1.27	1.12	1.20	1.12	1.95	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.17	1.35	1.50	1.35	1.41	1.35	1.33	1.35	2.17	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.38	1.57	1.65	1.57	1.55	1.57	1.47	1.57	2.38	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.60	1.79	1.80	1.79	1.69	1.79	1.60	1.79	2.60	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.52	0.22	1.05	0.22	0.99	0.22	0.93	0.22	1.52	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.82	0.45	1.26	0.45	1.18	0.45	1.12	0.45	1.82	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.12	0.67	1.47	0.67	1.38	0.67	1.31	0.67	2.12	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.43	0.90	1.68	0.90	1.58	0.90	1.49	0.90	2.43	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.73	1.12	1.89	1.12	1.77	1.12	1.68	1.12	2.73	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.03	1.35	2.10	1.35	1.97	1.35	1.87	1.35	3.03	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.34	1.57	2.31	1.57	2.17	1.57	2.05	1.57	3.34	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.64	1.79	2.52	1.79	2.37	1.79	2.24	1.79	3.64	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.06	0.51	1.43	0.51	1.34	0.51	1.27	0.51	2.06	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.49	1.02	1.73	1.02	1.62	1.02	1.53	1.02	2.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.93	1.52	2.03	1.52	1.90	1.52	1.80	1.52	2.93	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.36	2.03	2.33	2.03	2.18	2.03	2.07	2.03	3.36	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.79	2.54	2.63	2.54	2.46	2.54	2.33	2.54	3.79	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.23	3.05	2.93	3.05	2.75	3.05	2.60	3.05	4.23	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.66	3.55	3.23	3.55	3.03	3.55	2.87	3.55	4.66	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.09	4.06	3.53	4.06	3.31	4.06	3.13	4.06	5.09	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.88	0.51	2.00	0.51	1.87	0.51	1.77	0.51	2.88	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.49	1.02	2.42	1.02	2.27	1.02	2.15	1.02	3.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.10	1.52	2.84	1.52	2.66	1.52	2.52	1.52	4.10	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.70	2.03	3.26	2.03	3.06	2.03	2.89	2.03	4.70	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.31	2.54	3.68	2.54	3.45	2.54	3.27	2.54	5.31	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.05	4.10	3.05	3.85	3.05	3.64	3.05	5.92	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.52	3.55	4.52	3.55	4.24	3.55	4.01	3.55	6.52	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.13	4.06	4.94	4.06	4.63	4.06	4.39	4.06	7.13	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.06	0.22	1.43	0.22	1.34	0.22	1.27	0.22	2.06	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	0.45	1.73	0.45	1.62	0.45	1.53	0.45	2.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.93	0.67	2.03	0.67	1.90	0.67	1.80	0.67	2.93	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.36	0.90	2.33	0.90	2.18	0.90	2.07	0.90	3.36	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.79	1.12	2.63	1.12	2.46	1.12	2.33	1.12	3.79	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.35	2.93	1.35	2.75	1.35	2.60	1.35	4.23	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.66	1.57	3.23	1.57	3.03	1.57	2.87	1.57	4.66	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.09	1.79	3.53	1.79	3.31	1.79	3.13	1.79	5.09	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.88	0.22	2.00	0.22	1.87	0.22	1.77	0.22	2.88	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	0.45	2.42	0.45	2.27	0.45	2.15	0.45	3.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.10	0.67	2.84	0.67	2.66	0.67	2.52	0.67	4.10	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.70	0.90	3.26	0.90	3.06	0.90	2.89	0.90	4.70	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.31	1.12	3.68	1.12	3.45	1.12	3.27	1.12	5.31	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.35	4.10	1.35	3.85	1.35	3.64	1.35	5.92	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.52	1.57	4.52	1.57	4.24	1.57	4.01	1.57	6.52	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.13	1.79	4.94	1.79	4.63	1.79	4.39	1.79	7.13	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.19	0.77	0.83	0.77	0.77	0.77	0.73	0.77	1.19	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.53	0.98	1.53	0.92	1.53	0.87	1.53	1.41	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	2.30	1.13	2.30	1.06	2.30	1.00	2.30	1.63	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	3.06	1.28	3.06	1.20	3.06	1.13	3.06	1.84	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	3.83	1.43	3.83	1.34	3.83	1.27	3.83	2.06	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	4.60	1.58	4.60	1.48	4.60	1.40	4.60	2.28	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	5.36	1.73	5.36	1.62	5.36	1.53	5.36	2.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.71	6.13	1.88	6.13	1.76	6.13	1.67	6.13	2.71	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.77	1.16	0.77	1.08	0.77	1.03	0.77	1.67	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.53	1.37	1.53	1.28	1.53	1.21	1.53	1.97	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	2.30	1.58	2.30	1.48	2.30	1.40	2.30	2.28	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	3.06	1.79	3.06	1.68	3.06	1.59	3.06	2.58	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	3.83	2.00	3.83	1.87	3.83	1.77	3.83	2.88	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	4.60	2.21	4.60	2.07	4.60	1.96	4.60	3.19	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	5.36	2.42	5.36	2.27	5.36	2.15	5.36	3.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.79	6.13	2.63	6.13	2.46	6.13	2.33	6.13	3.79	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.33	0.83	0.33	0.77	0.33	0.73	0.33	1.19	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.65	0.98	0.65	0.92	0.65	0.87	0.65	1.41	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.98	1.13	0.98	1.06	0.98	1.00	0.98	1.63	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	1.30	1.28	1.30	1.20	1.30	1.13	1.30	1.84	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.63	1.43	1.63	1.34	1.63	1.27	1.63	2.06	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.95	1.58	1.95	1.48	1.95	1.40	1.95	2.28	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	2.28	1.73	2.28	1.62	2.28	1.53	2.28	2.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.71	2.60	1.88	2.60	1.76	2.60	1.67	2.60	2.71	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.33	1.16	0.33	1.08	0.33	1.03	0.33	1.67	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.65	1.37	0.65	1.28	0.65	1.21	0.65	1.97	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.98	1.58	0.98	1.48	0.98	1.40	0.98	2.28	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	1.30	1.79	1.30	1.68	1.30	1.59	1.30	2.58	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.63	2.00	1.63	1.87	1.63	1.77	1.63	2.88	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.95	2.21	1.95	2.07	1.95	1.96	1.95	3.19	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	2.28	2.42	2.28	2.27	2.28	2.15	2.28	3.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.79	2.60	2.63	2.60	2.46	2.60	2.33	2.60	3.79	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.17	0.77	1.50	0.77	1.41	0.77	1.33	0.77	2.17	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.60	1.53	1.80	1.53	1.69	1.53	1.60	1.53	2.60	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.03	2.30	2.10	2.30	1.97	2.30	1.87	2.30	3.03	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.47	3.06	2.40	3.06	2.25	3.06	2.13	3.06	3.47	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.90	3.83	2.70	3.83	2.54	3.83	2.40	3.83	3.90	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.33	4.60	3.00	4.60	2.82	4.60	2.67	4.60	4.33	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.77	5.36	3.30	5.36	3.10	5.36	2.93	5.36	4.77	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.20	6.13	3.60	6.13	3.38	6.13	3.20	6.13	5.20	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.03	0.77	2.10	0.77	1.97	0.77	1.87	0.77	3.03	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.64	1.53	2.52	1.53	2.37	1.53	2.24	1.53	3.64	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.25	2.30	2.94	2.30	2.76	2.30	2.61	2.30	4.25	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.85	3.06	3.36	3.06	3.15	3.06	2.99	3.06	4.85	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.46	3.83	3.78	3.83	3.55	3.83	3.36	3.83	5.46	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.07	4.60	4.20	4.60	3.94	4.60	3.73	4.60	6.07	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.67	5.36	4.62	5.36	4.34	5.36	4.11	5.36	6.67	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.28	6.13	5.04	6.13	4.73	6.13	4.48	6.13	7.28	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Mount

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.17	0.33	1.50	0.33	1.41	0.33	1.33	0.33	2.17	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.60	0.65	1.80	0.65	1.69	0.65	1.60	0.65	2.60	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.03	0.98	2.10	0.98	1.97	0.98	1.87	0.98	3.03	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.47	1.30	2.40	1.30	2.25	1.30	2.13	1.30	3.47	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.90	1.63	2.70	1.63	2.54	1.63	2.40	1.63	3.90	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.33	1.95	3.00	1.95	2.82	1.95	2.67	1.95	4.33	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.77	2.28	3.30	2.28	3.10	2.28	2.93	2.28	4.77	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.20	2.60	3.60	2.60	3.38	2.60	3.20	2.60	5.20	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description:		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.03	0.33	2.10	0.33	1.97	0.33	1.87	0.33	3.03	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.64	0.65	2.52	0.65	2.37	0.65	2.24	0.65	3.64	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.25	0.98	2.94	0.98	2.76	0.98	2.61	0.98	4.25	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.85	1.30	3.36	1.30	3.15	1.30	2.99	1.30	4.85	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.46	1.63	3.78	1.63	3.55	1.63	3.36	1.63	5.46	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.07	1.95	4.20	1.95	3.94	1.95	3.73	1.95	6.07	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.67	2.28	4.62	2.28	4.34	2.28	4.11	2.28	6.67	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.28	2.60	5.04	2.60	4.73	2.60	4.48	2.60	7.28	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Duplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Triplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Quadplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Sixplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Eightplex Outlet	2.41	4.17	1.67	4.17	1.56	4.17	1.48	4.17		2.41	4.17
1	Modular Faceplate Tenplex Outlet	4.81	4.17	3.33	4.17	3.13	4.17	2.96	4.17	*1	4.81	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31	*2	4.88	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Surface Mount Box (2 Outlet)	9.70	3.06	6.71	3.06	6.30	3.06	5.97	3.06		9.70	3.06
1	Surface Mount Box (4 Outlet)	9.70	3.63	6.71	3.63	6.30	3.63	5.97	3.63		9.70	3.63
1	Surface Mount Box (6 Outlet)	9.70	8.96	6.71	8.96	6.30	8.96	5.97	8.96		9.70	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	9.70	4.89	6.71	4.89	6.30	4.89	5.97	4.89		9.70	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	9.70	8.72	6.71	8.72	6.30	8.72	5.97	8.72		9.70	8.72
1	Floor Monument Single Duplex Opening	6.05	40.96	4.19	40.96	3.93	40.96	3.72	40.96		6.05	40.96
1	Floor Monument Double Duplex Opening	6.05	47.23	4.19	47.23	3.93	47.23	3.72	47.23		6.05	47.23
1	Wall Mount Faceplate 630b	12.17	16.29	8.43	16.29	7.91	16.29	7.49	16.29		12.17	16.29
1	110 Type Wiring Block 25 Pair	41.33	6.43	28.62	6.43	26.87	6.43	25.44	6.43		41.33	6.43
1	110 Type Wiring Block 50 Pair	70.49	7.69	48.80	7.69	45.82	7.69	43.38	7.69		70.49	7.69
1	110 Type Wiring Block 100 Pair	134.87	13.29	93.37	13.29	87.67	13.29	82.99	13.29		134.87	13.29
1	110 Type Wiring Block 300 Pair	374.20	31.35	259.06	31.35	243.25	31.35	230.27	31.35		374.20	31.35
1	110 Type Connecting Block - 3 Pair	2.41	0.56	1.67	0.56	1.56	0.56	1.48	0.56		2.41	0.56
1	110 Type Connecting Block - 4 Pair	2.41	0.74	1.67	0.74	1.56	0.74	1.48	0.74		2.41	0.74

*1 Consists of 4 & 6 plex faceplates

*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.41	0.81	1.67	0.81	1.56	0.81	1.48	0.81		2.41	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	70.49	15.93	48.80	15.93	45.82	15.93	43.38	15.93		70.49	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	134.87	15.93	93.37	15.93	87.67	15.93	82.99	15.93		134.87	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	374.20	37.49	259.06	37.49	243.25	37.49	230.27	37.49		374.20	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	75.31	133.88	52.13	133.88	48.95	133.88	46.34	133.88		75.31	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	75.31	207.90	52.13	207.90	48.95	207.90	46.34	207.90		75.31	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	75.31	415.80	52.13	415.80	48.95	415.80	46.34	415.80		75.31	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE: 1

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	75.31	274.74	52.13	274.74	48.95	274.74	46.34	274.74		75.31	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	111.76	491.40	77.37	491.40	72.65	491.40	68.77	491.40	*4	111.76	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	111.76	632.97	77.37	632.97	72.65	632.97	68.77	632.97		111.76	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	148.21	822.96	102.60	822.96	96.34	822.96	91.20	822.96		148.21	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	262.44	175.14	181.69	175.14	170.60	175.14	161.50	175.14		262.44	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	466.56	350.28	323.00	350.28	303.29	350.28	287.11	350.28		466.56	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	233.28	700.56	161.50	700.56	151.64	700.56	143.56	700.56		233.28	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	262.44	308.70	181.69	308.70	170.60	308.70	161.50	308.70		262.44	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	466.56	580.86	323.00	580.86	303.29	580.86	287.11	580.86		466.56	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	233.28	1161.72	161.50	1161.72	151.64	1161.72	143.56	1161.72		233.28	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	320.76	370.57	222.06	370.57	208.51	370.57	197.39	370.57		320.76	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	641.52	741.20	444.13	741.20	417.02	741.20	394.78	741.20		641.52	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	233.28	1482.39	161.50	1482.39	151.64	1482.39	143.56	1482.39		233.28	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	12.17	69.30	8.43	69.30	7.91	69.30	7.49	69.30		12.17	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	13.34	0.00	9.24	0.00	8.67	0.00	8.21	0.00		13.34	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 110A type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

ARMM Type Cable
24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.39	2.63	1.39
1	50 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.10	3.24	2.10
1	100 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	3.61	4.42	3.61
1	150 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	5.70	6.36	5.70
1	200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	7.02	7.48	7.02
1	300 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	10.07	10.16	10.07
1	400 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	14.01	12.47	14.01
1	500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	19.20	18.15	19.20
1	900 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	28.81	25.01	28.81
1	1200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	38.40	34.18	38.40
1	1500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	47.79	41.10	47.79
1	1800 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	58.54	48.02	58.54

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

CMR Type Cable
24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

CM Type Cable
24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59
0								

COPPER TIE CABLE

Price per foot - terminated on 110A type hardware - Note #1

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	2.54	2.63	2.54
1	50 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	4.25	3.24	4.25
1	100 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	7.49	4.42	7.49
1	150 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	11.74	6.36	11.74
1	200 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	14.98	7.48	14.98
1	300 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	22.20	10.16	22.20
1	400 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	29.96	12.47	29.96

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

Note#1 - Terminated on 110A type hardware means terminated on 110 connector block.

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMR Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	25.01	Material $$/ LF	34.84	25.01	34.84
1	1200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	25.01	Material $$/ LF	34.84	25.01	34.84
1	1200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware*

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	2.54	2.63	2.54
1	50 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	4.25	3.24	4.25
1	100 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	7.49	4.42	7.49
1	150 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	11.74	6.36	11.74
1	200 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	14.98	7.48	14.98
1	300 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	22.20	10.16	22.20
1	400 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	30.21	12.47	30.21

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

*** Terminated on 66 type hardware means terminated on 66 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

COPPER TIE CABLE - CATEGORY 5E - NON-PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

QTY	24 Gauge Non- Plenum # of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.87	2.63	1.87
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	3.35	3.24	3.35
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	6.29	4.42	6.29

Price / Foot - Terminated on Cat 5E Patch Panel

QTY	24 Gauge Non- Plenum # of Pairs						TOTAL COST Labor	TOTAL COST Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.63	Material $$/ LF	3.14	2.63	3.14
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.24	Material $$/ LF	6.25	3.24	6.25
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.42	Material $$/ LF	12.50	4.42	12.50

COPPER TIE CABLE - CATEGORY 5E - PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

QTY	24 Gauge Plenum # of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	4.28	2.63	4.28
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	8.16	3.24	8.16
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	15.92	4.42	15.92

Price per foot - terminated on category 5E patch panel

QTY	24 Gauge Plenum # of Pairs						TOTAL COST Labor	TOTAL COST Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.63	Material $$/ LF	5.55	2.63	5.55
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.24	Material $$/ LF	11.06	3.24	11.06
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.42	Material $$/ LF	22.13	4.42	22.13

COPPER TIE CABLE - MODULAR SPLICE

(Spliced pair = joining of two pair of conductors)

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	113.70	Material $$/ 25 Pair	3.74	113.70	3.74
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	178.80	Material $$/ 25 Pair	7.48	178.80	7.48
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	308.40	Material $$/ 25 Pair	14.97	308.40	14.97
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	439.20	Material $$/ 25 Pair	22.45	439.20	22.45
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	568.80	Material $$/ 25 Pair	29.94	568.80	29.94
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	853.20	Material $$/ 25 Pair	44.91	853.20	44.91
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,036.80	Material $$/ 25 Pair	59.88	1,036.80	59.88
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,224.00	Material $$/ 25 Pair	74.84	1,224.00	74.84
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,084.40	Material $$/ 25 Pair	134.72	2,084.40	134.72
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,678.40	Material $$/ 25 Pair	179.63	2,678.40	179.63
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,222.00	Material $$/ 25 Pair	224.53	3,222.00	224.53
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,715.20	Material $$/ 25 Pair	269.44	3,715.20	269.44

INNERDUCT

ZONE:	1
Special Secured Area	
Material Manufacturer:	Systimax

NON-PLENUM
* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.03	Material $$/ LF	0.74	2.03	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.25	Material $$/ LF	0.83	2.25	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	1.01	2.48	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.70	Material $$/ LF	1.13	2.70	1.13

PLENUM
* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.03	Material $$/ LF	2.21	2.03	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.25	Material $$/ LF	2.46	2.25	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	3.47	2.48	3.47
1	2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.70	Material $$/ LF	4.35	2.70	4.35

NON-PLENUM
** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.03	Material $$/ LF	0.74	2.03	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.25	Material $$/ LF	0.83	2.25	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	1.01	2.48	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.70	Material $$/ LF	1.13	2.70	1.13

PLENUM
** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.03	Material $$/ LF	2.21	2.03	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.25	Material $$/ LF	2.46	2.25	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	3.47	2.48	3.47
1	2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.70	Material $$/ LF	4.35	2.70	4.35

QTY	Size						Labor	Material
1	Fabric Innerduct	Innerduct 2" 3 Cell - Installed in Conduit	Labor $$ / LF	1.20	Material $$/ LF	2.46	1.20	2.46

*Price per foot includes labor to install above suspended ceiling

** Price per foor includes labor to install in conduits and risers

COPPER TIE CABLE - INDOOR SPLICE CASE

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 62.5/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 50.0/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

RISER FIBER CABLE SYSTEM (OFNR)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	1
Special Secured Area	

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labor

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	171.58	150.00	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	128.07	150.00	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	340.73	150.00	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	361.79	150.00	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	439.15	150.00	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	247.46	150.00	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	332.51	150.00	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	398.16	150.00	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labor

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	104.74	183.75	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	118.91	183.75	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	177.76	183.75	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	187.90	183.75	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	316.75	183.75	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	493.79	183.75	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labor

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	155.85	183.75	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	162.22	183.75	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	224.42	183.75	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	234.07	183.75	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	315.90	183.75	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	347.92	183.75	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	407.37	183.75	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	449.91	183.75	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labor

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	107.10	67.50	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	124.59	67.50	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	67.50	Material $ / Cable	114.11	67.50	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	132.30	67.50	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	154.35	67.50	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labor

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	22.28	22.50	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	27.37	22.50	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	35.48	22.50	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	33.75	Material $ / Cable	34.02	33.75	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	33.75	Material $ / Cable	49.14	33.75	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	94.25	Material $ / Cable	97.02	94.25	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	94.50	Material $ / Cable	97.02	94.50	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	90.14	Material $ / Cable	97.02	90.14	97.02
1	31 & More	Power Poles	Labor $$ / Cable	83.20	Material $ / Cable	97.02	83.20	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	1

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	67.50			67.50	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	101.25			101.25	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	135.00			135.00	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	84.38			84.38	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83

1	Each	Self Traceable Cat 6 Patchcord 5'	Material $ / Cable	10.63	0.00	10.63
1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89

1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	1

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description					TOTAL COST Labor	TOTAL COST Material
	Material Rate:						
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68			82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96			93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56			9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35			15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87			134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14			8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26			54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	67.50	67.50	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	33.75	33.75	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	1

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	58.50	6.30	40.50	6.30	38.03	6.30	36.00	6.30	58.50	6.30
1	Core 1" X 6" includes sleeve & firestopping	87.75	6.30	60.75	6.30	57.04	6.30	54.00	6.30	87.75	6.30
1	Core 1" X 8" includes sleeve & firestopping	117.00	6.30	81.00	6.30	76.06	6.30	72.00	6.30	117.00	6.30
1	Core 1" X 10" includes sleeve & firestopping	146.25	6.30	101.25	6.30	95.07	6.30	90.00	6.30	146.25	6.30
1	Core 2" X 4" includes sleeve & firestopping	87.75	12.60	60.75	12.60	57.04	12.60	54.00	12.60	87.75	12.60
1	Core 2" X 6" includes sleeve & firestopping	117.00	12.60	81.00	12.60	76.06	12.60	72.00	12.60	117.00	12.60
1	Core 2" X 8" includes sleeve & firestopping	146.25	12.60	101.25	12.60	95.07	12.60	90.00	12.60	146.25	12.60
1	Core 2" X 10" includes sleeve & firestopping	175.50	12.60	121.50	12.60	114.08	12.60	108.00	12.60	175.50	12.60
1	Core 4" X 6" includes sleeve & firestopping	175.50	18.90	121.50	18.90	114.08	18.90	108.00	18.90	175.50	18.90
1	Core 4" X 12" includes sleeve & firestopping	234.00	18.90	162.00	18.90	152.11	18.90	144.00	18.90	234.00	18.90
1	Core 4" X 18" includes sleeve & firestopping	292.50	18.90	202.50	18.90	190.14	18.90	180.00	18.90	292.50	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00
1	Wire Removal - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00
1	Troubleshoot - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00

OSP CABLE CONSTRUCTION

Zone:	1

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.81	1.58	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.09	1.58	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.37	1.58	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.15	1.58	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.54	1.58	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.45	1.58	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.89	1.58	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.58	1.58	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.53	1.58	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	3.25	1.58	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	2.54	1.58	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.73	1.58	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	6.37	1.58	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	4.94	1.58	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.29	1.58	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.88	Material $ / Foot	0.85	1.88	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.63	Material $ / Foot	1.53	2.63	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.00	Material $ / Foot	2.77	3.00	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	18.00	Material $ / Foot	1.29	18.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	22.50	Material $ / Foot	3.88	22.50	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.55	1.50	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.85	1.50	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.53	1.50	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	2.77	1.50	2.77
1	Foot	Trench	Labor $$ / Foot	6.00	Material $ / Foot	0.00	6.00	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.68	Material $ / Foot	0.20	0.68	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	54.00	Material $ / Foot	63.00	54.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	15.00	Material $ / Foot	12.60	15.00	12.60

OSP CABLE CONSTRUCTION

Zone:	1

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.89	1.50	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.58	1.50	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.53	1.50	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	3.25	1.50	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	2.54	1.50	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.73	1.50	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	6.37	1.50	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	4.94	1.50	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.29	1.50	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.80	Material $ / Foot	0.85	1.80	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.55	Material $ / Foot	1.53	2.55	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.30	Material $ / Foot	2.77	3.30	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	12.00	Material $ / Foot	1.29	12.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	16.50	Material $ / Foot	3.88	16.50	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.55	1.50	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.85	1.50	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.53	1.50	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	2.77	1.50	2.77
1	Foot	Trench	Labor $$ / Foot	7.50	Material $ / Foot	0.00	7.50	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.83	Material $ / Foot	0.30	0.83	0.30
1	Each	Install Cable Guy	Labor $$ / each	54.00	Material $ / each	63.00	54.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	15.00	Material $ / each	12.60	15.00	12.60

Non-Area Specific

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	180.00	Material $ / Foot	0.00	180.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	180.00	Material $ / Foot	0.00	180.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	3,720.00	Material $ / Foot	8694.00	3,720.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	2,640.00	Material $ / Foot	2520.00	2,640.00	2,520.00

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 110A type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

ARMM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.39	2.63	1.39
1	50 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.10	3.24	2.10
1	100 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	3.61	4.42	3.61
1	150 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	5.70	6.36	5.70
1	200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	7.02	7.48	7.02
1	300 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	10.07	10.16	10.07
1	400 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	14.01	12.47	14.01
1	500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	19.20	18.15	19.20
1	900 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	28.81	25.01	28.81
1	1200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	38.40	34.18	38.40
1	1500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	47.79	41.10	47.79
1	1800 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	58.54	48.02	58.54

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

CMR Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

CM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59
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COPPER TIE CABLE

Price per foot - terminated on 110A type hardware - Note #1

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs							Labor	Material
1	25 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	2.54		2.63	2.54
1	50 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	4.25		3.24	4.25
1	100 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	7.49		4.42	7.49
1	150 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	6.36	Material $$/ LF	11.74		6.36	11.74
1	200 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	7.48	Material $$/ LF	14.98		7.48	14.98
1	300 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	10.16	Material $$/ LF	22.20		10.16	22.20
1	400 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	12.47	Material $$/ LF	29.96		12.47	29.96

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

Note#1 - Terminated on 110A type hardware means terminated on 110 connector block.

	CM TYPE *	24 Ga. Non-Plenum						TOTAL COST	
QTY	# of Pairs							Labor	Material
1	25 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44		2.63	1.44
1	50 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29		3.24	2.29
1	100 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01		4.42	4.01
1	150 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30		6.36	6.30
1	200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03		7.48	8.03
1	300 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77		10.16	11.77
1	400 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30		12.47	16.30
1	500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53		18.15	23.53
1	900 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30		25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06		34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83		41.10	58.83
1	1800 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59		48.02	70.59

	CM TYPE **	24 Ga. Non-Plenum						TOTAL COST	
QTY	# of Pairs							Labor	Material
1	25 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44		2.63	1.44
1	50 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29		3.24	2.29
1	100 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01		4.42	4.01
1	150 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30		6.36	6.30
1	200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03		7.48	8.03
1	300 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77		10.16	11.77
1	400 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30		12.47	16.30
1	500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53		18.15	23.53
1	900 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30		25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06		34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83		41.10	58.83
1	1800 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59		48.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum						TOTAL COST	
QTY	# of Pairs							Labor	Material
1	25 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44		2.63	1.44
1	50 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29		3.24	2.29
1	100 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01		4.42	4.01
1	150 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30		6.36	6.30
1	200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03		7.48	8.03
1	300 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77		10.16	11.77
1	400 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30		12.47	16.30
1	500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53		18.15	23.53
1	900 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30		25.01	35.30
1	1200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06		34.18	47.06
1	1500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83		41.10	58.83

1	1800 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	**48.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMR Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	1.44	**2.63**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	2.29	**3.24**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	4.01	**4.42**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	6.30	**6.36**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	8.03	**7.48**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	11.77	**10.16**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	16.30	**12.47**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	18.15	Material $$/ LF	23.53	**18.15**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	25.01	Material $$/ LF	34.84	**25.01**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	34.18	Material $$/ LF	47.06	**34.18**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	41.10	Material $$/ LF	58.83	**41.10**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	48.02	Material $$/ LF	70.59	**48.02**	**70.59**

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	1.44	**2.63**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	2.29	**3.24**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	4.01	**4.42**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	6.30	**6.36**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	8.03	**7.48**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	11.77	**10.16**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	16.30	**12.47**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	18.15	Material $$/ LF	23.53	**18.15**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	25.01	Material $$/ LF	34.84	**25.01**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	34.18	Material $$/ LF	47.06	**34.18**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	41.10	Material $$/ LF	58.83	**41.10**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	48.02	Material $$/ LF	70.59	**48.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware*

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.63	Material $$/ LF	2.54	2.63	2.54
1	50 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	3.24	Material $$/ LF	4.25	3.24	4.25
1	100 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	4.42	Material $$/ LF	7.49	4.42	7.49
1	150 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	6.36	Material $$/ LF	11.74	6.36	11.74
1	200 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	7.48	Material $$/ LF	14.98	7.48	14.98
1	300 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	10.16	Material $$/ LF	22.20	10.16	22.20
1	400 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	12.47	Material $$/ LF	30.21	12.47	30.21

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

*** Terminated on 66 type hardware means terminated on 66 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59	48.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.63	Material $$/ LF	1.44	2.63	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.24	Material $$/ LF	2.29	3.24	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.42	Material $$/ LF	4.01	4.42	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.36	Material $$/ LF	6.30	6.36	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.48	Material $$/ LF	8.03	7.48	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	10.16	Material $$/ LF	11.77	10.16	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	12.47	Material $$/ LF	16.30	12.47	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	18.15	Material $$/ LF	23.53	18.15	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	25.01	Material $$/ LF	35.30	25.01	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	34.18	Material $$/ LF	47.06	34.18	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	41.10	Material $$/ LF	58.83	41.10	58.83

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	48.02	Material $$/ LF	70.59		**48.02**	**70.59**

ZONE:	1
	Special Secured Area
Material Manufacturer:	Systimax

COPPER TIE CABLE - CATEGORY 5E - NON-PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	1.87	2.63	1.87
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	3.35	3.24	3.35
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	6.29	4.42	6.29

Price / Foot - Terminated on Cat 5E Patch Panel

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.63	Material $$/ LF	3.14	2.63	3.14
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.24	Material $$/ LF	6.25	3.24	6.25
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.42	Material $$/ LF	12.50	4.42	12.50

COPPER TIE CABLE - CATEGORY 5E - PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.63	Material $$/ LF	4.28	2.63	4.28
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	3.24	Material $$/ LF	8.16	3.24	8.16
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	4.42	Material $$/ LF	15.92	4.42	15.92

Price per foot - terminated on category 5E patch panel

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.63	Material $$/ LF	5.55	2.63	5.55
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.24	Material $$/ LF	11.06	3.24	11.06
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.42	Material $$/ LF	22.13	4.42	22.13

COPPER TIE CABLE - MODULAR SPLICE

(Spliced pair = joining of two pair of conductors)

							TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	113.70	Material $$/ 25 Pair	3.74	113.70	3.74
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	178.80	Material $$/ 25 Pair	7.48	178.80	7.48
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	308.40	Material $$/ 25 Pair	14.97	308.40	14.97
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	439.20	Material $$/ 25 Pair	22.45	439.20	22.45
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	568.80	Material $$/ 25 Pair	29.94	568.80	29.94
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	853.20	Material $$/ 25 Pair	44.91	853.20	44.91
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,036.80	Material $$/ 25 Pair	59.88	1,036.80	59.88
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,224.00	Material $$/ 25 Pair	74.84	1,224.00	74.84
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,084.40	Material $$/ 25 Pair	134.72	2,084.40	134.72
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,678.40	Material $$/ 25 Pair	179.63	2,678.40	179.63
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,222.00	Material $$/ 25 Pair	224.53	3,222.00	224.53
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,715.20	Material $$/ 25 Pair	269.44	3,715.20	269.44

INNERDUCT

ZONE: 1

Special Secured Area

Material Manufacturer: Systimax

NON-PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.03	Material $$/ LF	0.74	2.03	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.25	Material $$/ LF	0.83	2.25	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	1.01	2.48	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.70	Material $$/ LF	1.13	2.70	1.13

PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.03	Material $$/ LF	2.21	2.03	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.25	Material $$/ LF	2.46	2.25	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	3.47	2.48	3.47
1	2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.70	Material $$/ LF	4.35	2.70	4.35

NON-PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.03	Material $$/ LF	0.74	2.03	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.25	Material $$/ LF	0.83	2.25	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	1.01	2.48	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.70	Material $$/ LF	1.13	2.70	1.13

PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.03	Material $$/ LF	2.21	2.03	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.25	Material $$/ LF	2.46	2.25	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	3.47	2.48	3.47
1	2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.70	Material $$/ LF	4.35	2.70	4.35

QTY	Size						Labor	Material
1	Fabric Innerduct	Innerduct 2" 3 Cell - Installed in Conduit	Labor $$ / LF	1.20	Material $$/ LF	2.46	1.20	2.46

*Price per foot includes labor to install above suspended ceiling

** Price per foor includes labor to install in conduits and risers

COPPER TIE CABLE - INDOOR SPLICE CASE

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case	Matl. $$ / Spi. Case	315.49	0.00	315.49

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 62.5/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.29	1.88	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.84	1.88	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.23	2.25	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.13	2.62	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.68	2.62	13.68

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 50.0/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.22	1.50	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.94	1.50	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.28	1.88	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	6.88	1.88	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.22	2.25	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	11.01	2.25	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	12.16	2.62	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	13.76	2.62	13.76

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.64	1.50	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.34	1.50	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.62	1.88	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.56	1.88	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	7.56	2.25	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	8.18	2.62	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.12	2.62	9.12

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.10	1.50	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	2.37	1.50	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	4.15	1.88	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	5.39	1.88	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	6.51	2.25	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	8.58	2.25	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	9.54	2.62	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	10.79	2.62	10.79

RISER FIBER CABLE SYSTEM (OFNR)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	1

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	0.53	1.50	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.50	Material $$/ LF	1.03	1.50	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	2.36	1.88	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.88	Material $$/ LF	3.45	1.88	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	3.39	2.25	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.25	Material $$/ LF	4.95	2.25	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	5.81	2.62	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.62	Material $$/ LF	6.91	2.62	6.91

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	540.00	Material $ / Cable	183.96	540.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	900.00	Material $ / Cable	241.92	900.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,080.00	Material $ / Cable	299.88	1,080.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,296.00	Material $ / Cable	357.84	1,296.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,440.00	Material $ / Cable	415.80	1,440.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,512.00	Material $ / Cable	473.76	1,512.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,512.00	Material $ / Cable	531.72	1,512.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,584.00	Material $ / Cable	589.68	1,584.00	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	171.58	150.00	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	128.07	150.00	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	340.73	150.00	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	361.79	150.00	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	439.15	150.00	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	247.46	150.00	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	332.51	150.00	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	150.00	Material $ / Cable	398.16	150.00	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	104.74	183.75	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	118.91	183.75	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	177.76	183.75	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	187.90	183.75	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	316.75	183.75	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	183.75	Material $ / Cable	493.79	183.75	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	155.85	183.75	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	162.22	183.75	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	224.42	183.75	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	234.07	183.75	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	315.90	183.75	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	347.92	183.75	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	407.37	183.75	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	183.75	Material $ / Cable	449.91	183.75	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	1

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	107.10	67.50	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	124.59	67.50	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	67.50	Material $ / Cable	114.11	67.50	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	132.30	67.50	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	67.50	Material $ / Cable	154.35	67.50	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	22.28	22.50	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	27.37	22.50	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	22.50	Material $ / Cable	35.48	22.50	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	33.75	Material $ / Cable	34.02	33.75	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	33.75	Material $ / Cable	49.14	33.75	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	94.25	Material $ / Cable	97.02	94.25	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	94.50	Material $ / Cable	97.02	94.50	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	90.14	Material $ / Cable	97.02	90.14	97.02
1	31 & More	Power Poles	Labor $$ / Cable	83.20	Material $ / Cable	97.02	83.20	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	1

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.38			3.38	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	67.50			67.50	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	101.25			101.25	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	135.00			135.00	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	84.38			84.38	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83
1	Each	Self Traceable Cat 6 Patchcord 5'			Material $ / Cable	10.63	0.00	10.63

1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89
1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	1

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description				TOTAL COST Labor	TOTAL COST Material
	Material Rate:					
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68		82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96		93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56		9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35		15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87		134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14		8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26		54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	67.50	67.50	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	33.75	33.75	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	1

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	58.50	6.30	40.50	6.30	38.03	6.30	36.00	6.30	58.50	6.30
1	Core 1" X 6" includes sleeve & firestopping	87.75	6.30	60.75	6.30	57.04	6.30	54.00	6.30	87.75	6.30
1	Core 1" X 8" includes sleeve & firestopping	117.00	6.30	81.00	6.30	76.06	6.30	72.00	6.30	117.00	6.30
1	Core 1" X 10" includes sleeve & firestopping	146.25	6.30	101.25	6.30	95.07	6.30	90.00	6.30	146.25	6.30
1	Core 2" X 4" includes sleeve & firestopping	87.75	12.60	60.75	12.60	57.04	12.60	54.00	12.60	87.75	12.60
1	Core 2" X 6" includes sleeve & firestopping	117.00	12.60	81.00	12.60	76.06	12.60	72.00	12.60	117.00	12.60
1	Core 2" X 8" includes sleeve & firestopping	146.25	12.60	101.25	12.60	95.07	12.60	90.00	12.60	146.25	12.60
1	Core 2" X 10" includes sleeve & firestopping	175.50	12.60	121.50	12.60	114.08	12.60	108.00	12.60	175.50	12.60
1	Core 4" X 6" includes sleeve & firestopping	175.50	18.90	121.50	18.90	114.08	18.90	108.00	18.90	175.50	18.90
1	Core 4" X 12" includes sleeve & firestopping	234.00	18.90	162.00	18.90	152.11	18.90	144.00	18.90	234.00	18.90
1	Core 4" X 18" includes sleeve & firestopping	292.50	18.90	202.50	18.90	190.14	18.90	180.00	18.90	292.50	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00
1	Wire Removal - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00
1	Troubleshoot - Price per Hour	67.50		67.50		67.50		67.50		67.50	0.00

OSP CABLE CONSTRUCTION

Zone:	1

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.81	1.58	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.09	1.58	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.37	1.58	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.15	1.58	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.54	1.58	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.45	1.58	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.89	1.58	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.58	1.58	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.53	1.58	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	3.25	1.58	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	2.54	1.58	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	0.73	1.58	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.58	Material $ / Foot	6.37	1.58	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.58	Material $ / Foot	4.94	1.58	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.58	Material $ / Foot	1.29	1.58	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.88	Material $ / Foot	0.85	1.88	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.63	Material $ / Foot	1.53	2.63	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.00	Material $ / Foot	2.77	3.00	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	18.00	Material $ / Foot	1.29	18.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	22.50	Material $ / Foot	3.88	22.50	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.55	1.50	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.85	1.50	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.53	1.50	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	2.77	1.50	2.77
1	Foot	Trench	Labor $$ / Foot	6.00	Material $ / Foot	0.00	6.00	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.68	Material $ / Foot	0.20	0.68	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	54.00	Material $ / Foot	63.00	54.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	15.00	Material $ / Foot	12.60	15.00	12.60

OSP CABLE CONSTRUCTION

Zone:	1

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.89	1.50	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.58	1.50	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.53	1.50	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	3.25	1.50	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	2.54	1.50	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	0.73	1.50	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.50	Material $ / Foot	6.37	1.50	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.50	Material $ / Foot	4.94	1.50	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.50	Material $ / Foot	1.29	1.50	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.80	Material $ / Foot	0.85	1.80	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.55	Material $ / Foot	1.53	2.55	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.30	Material $ / Foot	2.77	3.30	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	12.00	Material $ / Foot	1.29	12.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	16.50	Material $ / Foot	3.88	16.50	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.55	1.50	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.81	1.50	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.09	1.50	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.37	1.50	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.15	1.50	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.54	1.50	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.45	1.50	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	0.85	1.50	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	1.53	1.50	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.50	Material $ / Foot	2.77	1.50	2.77
1	Foot	Trench	Labor $$ / Foot	7.50	Material $ / Foot	0.00	7.50	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.83	Material $ / Foot	0.30	0.83	0.30
1	Each	Install Cable Guy	Labor $$ / each	54.00	Material $ / each	63.00	54.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	15.00	Material $ / each	12.60	15.00	12.60

Non-Area Specific

QTY	Units	Item Description						TOTAL COST	
								Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	180.00	Material $ / Foot	0.00		180.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	180.00	Material $ / Foot	0.00		180.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	3,720.00	Material $ / Foot	8694.00		3,720.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	2,640.00	Material $ / Foot	2520.00		2,640.00	2,520.00

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.89	0.32	0.62	0.32	0.58	0.32	0.55	0.32	0.89	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.09	0.64	0.76	0.64	0.71	0.64	0.67	0.64	1.09	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	0.95	0.89	0.95	0.84	0.95	0.79	0.95	1.29	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.49	1.27	1.03	1.27	0.97	1.27	0.92	1.27	1.49	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.69	1.59	1.17	1.59	1.10	1.59	1.04	1.59	1.69	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.89	1.91	1.31	1.91	1.23	1.91	1.16	1.91	1.89	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.09	2.22	1.44	2.22	1.36	2.22	1.28	2.22	2.09	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	2.54	1.58	2.54	1.48	2.54	1.41	2.54	2.28	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.25	0.32	0.87	0.32	0.81	0.32	0.77	0.32	1.25	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.53	0.64	1.06	0.64	0.99	0.64	0.94	0.64	1.53	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.95	1.25	0.95	1.17	0.95	1.11	0.95	1.81	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.09	1.27	1.44	1.27	1.36	1.27	1.28	1.27	2.09	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.36	1.59	1.64	1.59	1.54	1.59	1.45	1.59	2.36	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.64	1.91	1.83	1.91	1.72	1.91	1.63	1.91	2.64	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.92	2.22	2.02	2.22	1.90	2.22	1.80	2.22	2.92	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.20	2.54	2.21	2.54	2.08	2.54	1.97	2.54	3.20	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.89	0.18	0.62	0.18	0.58	0.18	0.55	0.18	0.89	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.09	0.35	0.76	0.35	0.71	0.35	0.67	0.35	1.09	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.53	0.89	0.53	0.84	0.53	0.79	0.53	1.29	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.49	0.70	1.03	0.70	0.97	0.70	0.92	0.70	1.49	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.69	0.88	1.17	0.88	1.10	0.88	1.04	0.88	1.69	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.89	1.05	1.31	1.05	1.23	1.05	1.16	1.05	1.89	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.09	1.23	1.44	1.23	1.36	1.23	1.28	1.23	2.09	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.40	1.58	1.40	1.48	1.40	1.41	1.40	2.28	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.25	0.18	0.87	0.18	0.81	0.18	0.77	0.18	1.25	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.53	0.35	1.06	0.35	0.99	0.35	0.94	0.35	1.53	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.53	1.25	0.53	1.17	0.53	1.11	0.53	1.81	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.09	0.70	1.44	0.70	1.36	0.70	1.28	0.70	2.09	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.36	0.88	1.64	0.88	1.54	0.88	1.45	0.88	2.36	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.64	1.05	1.83	1.05	1.72	1.05	1.63	1.05	2.64	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.92	1.23	2.02	1.23	1.90	1.23	1.80	1.23	2.92	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.20	1.40	2.21	1.40	2.08	1.40	1.97	1.40	3.20	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.89	0.32	0.62	0.32	0.58	0.32	0.55	0.32	0.89	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.09	0.64	0.76	0.64	0.71	0.64	0.67	0.64	1.09	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.29	0.95	0.89	0.95	0.84	0.95	0.79	0.95	1.29	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.49	1.27	1.03	1.27	0.97	1.27	0.92	1.27	1.49	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.69	1.59	1.17	1.59	1.10	1.59	1.04	1.59	1.69	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.89	1.91	1.31	1.91	1.23	1.91	1.16	1.91	1.89	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.09	2.22	1.44	2.22	1.36	2.22	1.28	2.22	2.09	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.28	2.54	1.58	2.54	1.48	2.54	1.41	2.54	2.28	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.25	0.32	0.87	0.32	0.81	0.32	0.77	0.32	1.25	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.53	0.64	1.06	0.64	0.99	0.64	0.94	0.64	1.53	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.81	0.95	1.25	0.95	1.17	0.95	1.11	0.95	1.81	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.09	1.27	1.44	1.27	1.36	1.27	1.28	1.27	2.09	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.36	1.59	1.64	1.59	1.54	1.59	1.45	1.59	2.36	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.64	1.91	1.83	1.91	1.72	1.91	1.63	1.91	2.64	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.92	2.22	2.02	2.22	1.90	2.22	1.80	2.22	2.92	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.20	2.54	2.21	2.54	2.08	2.54	1.97	2.54	3.20	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.89	0.18	0.62	0.18	0.58	0.18	0.55	0.18	0.89	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.09	0.35	0.76	0.35	0.71	0.35	0.67	0.35	1.09	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.29	0.53	0.89	0.53	0.84	0.53	0.79	0.53	1.29	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.49	0.70	1.03	0.70	0.97	0.70	0.92	0.70	1.49	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.69	0.88	1.17	0.88	1.10	0.88	1.04	0.88	1.69	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.89	1.05	1.31	1.05	1.23	1.05	1.16	1.05	1.89	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.09	1.23	1.44	1.23	1.36	1.23	1.28	1.23	2.09	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.28	1.40	1.58	1.40	1.48	1.40	1.41	1.40	2.28	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.25	0.18	0.87	0.18	0.81	0.18	0.77	0.18	1.25	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.53	0.35	1.06	0.35	0.99	0.35	0.94	0.35	1.53	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.81	0.53	1.25	0.53	1.17	0.53	1.11	0.53	1.81	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.09	0.70	1.44	0.70	1.36	0.70	1.28	0.70	2.09	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.36	0.88	1.64	0.88	1.54	0.88	1.45	0.88	2.36	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.64	1.05	1.83	1.05	1.72	1.05	1.63	1.05	2.64	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.92	1.23	2.02	1.23	1.90	1.23	1.80	1.23	2.92	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.20	1.40	2.21	1.40	2.08	1.40	1.97	1.40	3.20	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	0.99	0.51	0.69	0.51	0.65	0.51	0.61	0.51	0.99	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.19	1.02	0.83	1.02	0.77	1.02	0.73	1.02	1.19	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.39	1.52	0.96	1.52	0.90	1.52	0.86	1.52	1.39	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.59	2.03	1.10	2.03	1.03	2.03	0.98	2.03	1.59	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.79	2.54	1.24	2.54	1.16	2.54	1.10	2.54	1.79	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.99	3.05	1.38	3.05	1.29	3.05	1.22	3.05	1.99	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.18	3.55	1.51	3.55	1.42	3.55	1.34	3.55	2.18	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.38	4.06	1.65	4.06	1.55	4.06	1.47	4.06	2.38	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.39	0.51	0.96	0.51	0.90	0.51	0.86	0.51	1.39	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.67	1.02	1.16	1.02	1.08	1.02	1.03	1.02	1.67	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.95	1.52	1.35	1.52	1.27	1.52	1.20	1.52	1.95	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.22	2.03	1.54	2.03	1.45	2.03	1.37	2.03	2.22	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.50	2.54	1.73	2.54	1.63	2.54	1.54	2.54	2.50	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.78	3.05	1.93	3.05	1.81	3.05	1.71	3.05	2.78	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.06	3.55	2.12	3.55	1.99	3.55	1.88	3.55	3.06	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.34	4.06	2.31	4.06	2.17	4.06	2.05	4.06	3.34	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.99	0.22	0.69	0.22	0.65	0.22	0.61	0.22	0.99	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.45	0.83	0.45	0.77	0.45	0.73	0.45	1.19	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.39	0.67	0.96	0.67	0.90	0.67	0.86	0.67	1.39	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.59	0.90	1.10	0.90	1.03	0.90	0.98	0.90	1.59	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.79	1.12	1.24	1.12	1.16	1.12	1.10	1.12	1.79	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.99	1.35	1.38	1.35	1.29	1.35	1.22	1.35	1.99	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.18	1.57	1.51	1.57	1.42	1.57	1.34	1.57	2.18	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.38	1.79	1.65	1.79	1.55	1.79	1.47	1.79	2.38	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.39	0.22	0.96	0.22	0.90	0.22	0.86	0.22	1.39	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.45	1.16	0.45	1.08	0.45	1.03	0.45	1.67	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.95	0.67	1.35	0.67	1.27	0.67	1.20	0.67	1.95	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.22	0.90	1.54	0.90	1.45	0.90	1.37	0.90	2.22	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.50	1.12	1.73	1.12	1.63	1.12	1.54	1.12	2.50	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.78	1.35	1.93	1.35	1.81	1.35	1.71	1.35	2.78	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.06	1.57	2.12	1.57	1.99	1.57	1.88	1.57	3.06	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.34	1.79	2.31	1.79	2.17	1.79	2.05	1.79	3.34	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	1.89	0.51	1.31	0.51	1.23	0.51	1.16	0.51	1.89	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.28	1.02	1.58	1.02	1.48	1.02	1.41	1.02	2.28	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.68	1.52	1.86	1.52	1.74	1.52	1.65	1.52	2.68	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.08	2.03	2.13	2.03	2.00	2.03	1.89	2.03	3.08	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.48	2.54	2.41	2.54	2.26	2.54	2.14	2.54	3.48	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.87	3.05	2.68	3.05	2.52	3.05	2.38	3.05	3.87	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.27	3.55	2.96	3.55	2.78	3.55	2.63	3.55	4.27	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.67	4.06	3.23	4.06	3.03	4.06	2.87	4.06	4.67	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.64	0.51	1.83	0.51	1.72	0.51	1.63	0.51	2.64	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.20	1.02	2.21	1.02	2.08	1.02	1.97	1.02	3.20	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.75	1.52	2.60	1.52	2.44	1.52	2.31	1.52	3.75	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.31	2.03	2.98	2.03	2.80	2.03	2.65	2.03	4.31	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.87	2.54	3.37	2.54	3.16	2.54	2.99	2.54	4.87	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.42	3.05	3.75	3.05	3.52	3.05	3.34	3.05	5.42	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.98	3.55	4.14	3.55	3.89	3.55	3.68	3.55	5.98	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.53	4.06	4.52	4.06	4.25	4.06	4.02	4.06	6.53	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	1.89	0.22	1.31	0.22	1.23	0.22	1.16	0.22	1.89	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.28	0.45	1.58	0.45	1.48	0.45	1.41	0.45	2.28	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.68	0.67	1.86	0.67	1.74	0.67	1.65	0.67	2.68	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.08	0.90	2.13	0.90	2.00	0.90	1.89	0.90	3.08	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.48	1.12	2.41	1.12	2.26	1.12	2.14	1.12	3.48	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.87	1.35	2.68	1.35	2.52	1.35	2.38	1.35	3.87	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.27	1.57	2.96	1.57	2.78	1.57	2.63	1.57	4.27	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.67	1.79	3.23	1.79	3.03	1.79	2.87	1.79	4.67	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.64	0.22	1.83	0.22	1.72	0.22	1.63	0.22	2.64	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.20	0.45	2.21	0.45	2.08	0.45	1.97	0.45	3.20	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.75	0.67	2.60	0.67	2.44	0.67	2.31	0.67	3.75	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.31	0.90	2.98	0.90	2.80	0.90	2.65	0.90	4.31	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.87	1.12	3.37	1.12	3.16	1.12	2.99	1.12	4.87	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.42	1.35	3.75	1.35	3.52	1.35	3.34	1.35	5.42	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.98	1.57	4.14	1.57	3.89	1.57	3.68	1.57	5.98	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.53	1.79	4.52	1.79	4.25	1.79	4.02	1.79	6.53	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.09	0.77	0.76	0.77	0.71	0.77	0.67	0.77	1.09	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	1.53	0.89	1.53	0.84	1.53	0.79	1.53	1.29	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.49	2.30	1.03	2.30	0.97	2.30	0.92	2.30	1.49	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.69	3.06	1.17	3.06	1.10	3.06	1.04	3.06	1.69	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.89	3.83	1.31	3.83	1.23	3.83	1.16	3.83	1.89	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.09	4.60	1.44	4.60	1.36	4.60	1.28	4.60	2.09	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	5.36	1.58	5.36	1.48	5.36	1.41	5.36	2.28	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.48	6.13	1.72	6.13	1.61	6.13	1.53	6.13	2.48	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.53	0.77	1.06	0.77	0.99	0.77	0.94	0.77	1.53	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	1.53	1.25	1.53	1.17	1.53	1.11	1.53	1.81	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.09	2.30	1.44	2.30	1.36	2.30	1.28	2.30	2.09	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.36	3.06	1.64	3.06	1.54	3.06	1.45	3.06	2.36	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.64	3.83	1.83	3.83	1.72	3.83	1.63	3.83	2.64	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.92	4.60	2.02	4.60	1.90	4.60	1.80	4.60	2.92	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.20	5.36	2.21	5.36	2.08	5.36	1.97	5.36	3.20	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.48	6.13	2.41	6.13	2.26	6.13	2.14	6.13	3.48	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.09	0.33	0.76	0.33	0.71	0.33	0.67	0.33	1.09	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.65	0.89	0.65	0.84	0.65	0.79	0.65	1.29	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.49	0.98	1.03	0.98	0.97	0.98	0.92	0.98	1.49	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.69	1.30	1.17	1.30	1.10	1.30	1.04	1.30	1.69	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.89	1.63	1.31	1.63	1.23	1.63	1.16	1.63	1.89	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.09	1.95	1.44	1.95	1.36	1.95	1.28	1.95	2.09	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	2.28	1.58	2.28	1.48	2.28	1.41	2.28	2.28	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.48	2.60	1.72	2.60	1.61	2.60	1.53	2.60	2.48	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.53	0.33	1.06	0.33	0.99	0.33	0.94	0.33	1.53	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.65	1.25	0.65	1.17	0.65	1.11	0.65	1.81	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.09	0.98	1.44	0.98	1.36	0.98	1.28	0.98	2.09	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.36	1.30	1.64	1.30	1.54	1.30	1.45	1.30	2.36	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.64	1.63	1.83	1.63	1.72	1.63	1.63	1.63	2.64	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.92	1.95	2.02	1.95	1.90	1.95	1.80	1.95	2.92	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.20	2.28	2.21	2.28	2.08	2.28	1.97	2.28	3.20	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.48	2.60	2.41	2.60	2.26	2.60	2.14	2.60	3.48	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	1.99	0.77	1.38	0.77	1.29	0.77	1.22	0.77	1.99	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.38	1.53	1.65	1.53	1.55	1.53	1.47	1.53	2.38	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.78	2.30	1.93	2.30	1.81	2.30	1.71	2.30	2.78	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.18	3.06	2.20	3.06	2.07	3.06	1.96	3.06	3.18	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.58	3.83	2.48	3.83	2.32	3.83	2.20	3.83	3.58	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.97	4.60	2.75	4.60	2.58	4.60	2.44	4.60	3.97	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.37	5.36	3.03	5.36	2.84	5.36	2.69	5.36	4.37	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.77	6.13	3.30	6.13	3.10	6.13	2.93	6.13	4.77	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	2.78	0.77	1.93	0.77	1.81	0.77	1.71	0.77	2.78	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.34	1.53	2.31	1.53	2.17	1.53	2.05	1.53	3.34	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.89	2.30	2.70	2.30	2.53	2.30	2.40	2.30	3.89	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.45	3.06	3.08	3.06	2.89	3.06	2.74	3.06	4.45	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.01	3.83	3.47	3.83	3.25	3.83	3.08	3.83	5.01	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.56	4.60	3.85	4.60	3.61	4.60	3.42	4.60	5.56	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.12	5.36	4.24	5.36	3.98	5.36	3.76	5.36	6.12	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.67	6.13	4.62	6.13	4.34	6.13	4.11	6.13	6.67	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	1.99	0.33	1.38	0.33	1.29	0.33	1.22	0.33	1.99	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.38	0.65	1.65	0.65	1.55	0.65	1.47	0.65	2.38	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.78	0.98	1.93	0.98	1.81	0.98	1.71	0.98	2.78	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.18	1.30	2.20	1.30	2.07	1.30	1.96	1.30	3.18	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.58	1.63	2.48	1.63	2.32	1.63	2.20	1.63	3.58	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.97	1.95	2.75	1.95	2.58	1.95	2.44	1.95	3.97	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.37	2.28	3.03	2.28	2.84	2.28	2.69	2.28	4.37	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.77	2.60	3.30	2.60	3.10	2.60	2.93	2.60	4.77	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.78	0.33	1.93	0.33	1.81	0.33	1.71	0.33	2.78	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.34	0.65	2.31	0.65	2.17	0.65	2.05	0.65	3.34	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.89	0.98	2.70	0.98	2.53	0.98	2.40	0.98	3.89	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.45	1.30	3.08	1.30	2.89	1.30	2.74	1.30	4.45	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.01	1.63	3.47	1.63	3.25	1.63	3.08	1.63	5.01	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.56	1.95	3.85	1.95	3.61	1.95	3.42	1.95	5.56	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.12	2.28	4.24	2.28	3.98	2.28	3.76	2.28	6.12	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.67	2.60	4.62	2.60	4.34	2.60	4.11	2.60	6.67	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.21	1.64	1.53	1.64	1.43	1.64	1.36	1.64		2.21	1.64
1	Modular Faceplate Duplex Outlet	2.21	1.64	1.53	1.64	1.43	1.64	1.36	1.64		2.21	1.64
1	Modular Faceplate Triplex Outlet	2.21	1.64	1.53	1.64	1.43	1.64	1.36	1.64		2.21	1.64
1	Modular Faceplate Quadplex Outlet	2.21	1.64	1.53	1.64	1.43	1.64	1.36	1.64		2.21	1.64
1	Modular Faceplate Sixplex Outlet	2.21	1.64	1.53	1.64	1.43	1.64	1.36	1.64		2.21	1.64
1	Modular Faceplate Eightplex Outlet	2.21	4.17	1.53	4.17	1.43	4.17	1.36	4.17		2.21	4.17
1	Modular Faceplate Tenplex Outlet	4.41	4.17	3.05	4.17	2.87	4.17	2.71	4.17	*1	4.41	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.48	2.31	3.10	2.31	2.91	2.31	2.75	2.31	*2	4.48	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.48	2.31	3.10	2.31	2.91	2.31	2.75	2.31		4.48	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.48	2.31	3.10	2.31	2.91	2.31	2.75	2.31		4.48	2.31
1	Surface Mount Box (2 Outlet)	8.89	3.06	6.15	3.06	5.78	3.06	5.47	3.06		8.89	3.06
1	Surface Mount Box (4 Outlet)	8.89	3.63	6.15	3.63	5.78	3.63	5.47	3.63		8.89	3.63
1	Surface Mount Box (6 Outlet)	8.89	8.96	6.15	8.96	5.78	8.96	5.47	8.96		8.89	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	8.89	4.89	6.15	4.89	5.78	4.89	5.47	4.89		8.89	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	8.89	8.72	6.15	8.72	5.78	8.72	5.47	8.72		8.89	8.72
1	Floor Monument Single Duplex Opening	5.55	40.96	3.84	40.96	3.60	40.96	3.41	40.96		5.55	40.96
1	Floor Monument Double Duplex Opening	5.55	47.23	3.84	47.23	3.60	47.23	3.41	47.23		5.55	47.23
1	Wall Mount Faceplate 630b	11.16	16.29	7.73	16.29	7.25	16.29	6.87	16.29		11.16	16.29
1	110 Type Wiring Block 25 Pair	37.89	6.43	26.23	6.43	24.63	6.43	23.32	6.43		37.89	6.43
1	110 Type Wiring Block 50 Pair	64.62	7.69	44.74	7.69	42.00	7.69	39.76	7.69		64.62	7.69
1	110 Type Wiring Block 100 Pair	123.63	13.29	85.59	13.29	80.35	13.29	76.07	13.29		123.63	13.29
1	110 Type Wiring Block 300 Pair	343.01	31.35	237.48	31.35	222.93	31.35	211.07	31.35		343.01	31.35
1	110 Type Connecting Block - 3 Pair	2.21	0.56	1.53	0.56	1.43	0.56	1.36	0.56		2.21	0.56
1	110 Type Connecting Block - 4 Pair	2.21	0.74	1.53	0.74	1.43	0.74	1.36	0.74		2.21	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	2

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.21	0.81	1.53	0.81	1.43	0.81	1.36	0.81		2.21	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	64.62	15.93	44.74	15.93	42.00	15.93	39.76	15.93		64.62	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	123.63	15.93	85.59	15.93	80.35	15.93	76.07	15.93		123.63	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	343.01	37.49	237.48	37.49	222.93	37.49	211.07	37.49		343.01	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	69.03	133.88	47.79	133.88	44.86	133.88	42.48	133.88		69.03	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	69.03	207.90	47.79	207.90	44.86	207.90	42.48	207.90		69.03	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	69.03	415.80	47.79	415.80	44.86	415.80	42.48	415.80		69.03	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	2
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	69.03	274.74	47.79	274.74	44.86	274.74	42.48	274.74		69.03	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	102.44	491.40	70.92	491.40	66.58	491.40	63.04	491.40	*4	102.44	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	102.44	632.97	70.92	632.97	66.58	632.97	63.04	632.97		102.44	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	135.86	822.96	94.06	822.96	88.30	822.96	83.60	822.96		135.86	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	240.57	175.14	166.55	175.14	156.35	175.14	148.03	175.14		240.57	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	427.68	350.28	296.09	350.28	277.96	350.28	263.17	350.28		427.68	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	213.84	700.56	148.05	700.56	138.98	700.56	131.59	700.56		213.84	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	240.57	308.70	166.55	308.70	156.35	308.70	148.03	308.70		240.57	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	427.68	580.86	296.09	580.86	277.96	580.86	263.17	580.86		427.68	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	213.84	1161.72	148.05	1161.72	138.98	1161.72	131.59	1161.72		213.84	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	294.03	370.57	203.56	370.57	191.10	370.57	180.93	370.57		294.03	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	588.06	741.20	407.13	741.20	382.19	741.20	361.86	741.20		588.06	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	213.84	1482.39	148.05	1482.39	138.98	1482.39	131.59	1482.39		213.84	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	11.16	69.30	7.73	69.30	7.25	69.30	6.87	69.30		11.16	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	10.02	0.00	6.94	0.00	6.51	0.00	6.17	0.00		10.02	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	10.02	0.00	6.94	0.00	6.51	0.00	6.17	0.00		10.02	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	12.23	0.00	8.47	0.00	7.95	0.00	7.53	0.00		12.23	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	41.16	0.00	28.50	0.00	26.75	0.00	25.33	0.00		41.16	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 110A type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 2

Special Secured Area

Material Manufacturer: Systimax

ARMM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	1.39	2.41	1.39
1	50 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	2.10	2.97	2.10
1	100 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	3.61	4.06	3.61
1	150 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	5.83	Material $$/ LF	5.70	5.83	5.70
1	200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	6.86	Material $$/ LF	7.02	6.86	7.02
1	300 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	9.32	Material $$/ LF	10.07	9.32	10.07
1	400 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	14.01	11.43	14.01
1	500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	16.64	Material $$/ LF	19.20	16.64	19.20
1	900 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	22.93	Material $$/ LF	28.81	22.93	28.81
1	1200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	31.33	Material $$/ LF	38.40	31.33	38.40
1	1500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	37.68	Material $$/ LF	47.79	37.68	47.79
1	1800 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	44.02	Material $$/ LF	58.54	44.02	58.54

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

CMR Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

CM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59
0								

COPPER TIE CABLE

Price per foot - terminated on 110A type hardware - Note #1

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 2

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	2.54	2.41	2.54
1	50 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	4.25	2.97	4.25
1	100 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	7.49	4.06	7.49
1	150 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	5.83	Material $$/ LF	11.74	5.83	11.74
1	200 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	6.86	Material $$/ LF	14.98	6.86	14.98
1	300 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	9.32	Material $$/ LF	22.20	9.32	22.20
1	400 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	29.96	11.43	29.96

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

Note#1 - Terminated on 110A type hardware means terminated on 110 connector block.

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83

1	1800 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59		**44.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 2

Special Secured Area

Material Manufacturer: Systimax

	CMR Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	22.93	Material $$/ LF	34.84	22.93	34.84
1	1200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	22.93	Material $$/ LF	34.84	22.93	34.84
1	1200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware*

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 2

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.41	Material $$/ LF	2.54	2.41	2.54
1	50 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.97	Material $$/ LF	4.25	2.97	4.25
1	100 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	4.06	Material $$/ LF	7.49	4.06	7.49
1	150 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	5.83	Material $$/ LF	11.74	5.83	11.74
1	200 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	6.86	Material $$/ LF	14.98	6.86	14.98
1	300 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	9.32	Material $$/ LF	22.20	9.32	22.20
1	400 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	30.21	11.43	30.21

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

*** Terminated on 66 type hardware means terminated on 66 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59	44.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.41	Material $$/ LF	1.44	2.41	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.97	Material $$/ LF	2.29	2.97	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.06	Material $$/ LF	4.01	4.06	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	5.83	Material $$/ LF	6.30	5.83	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	6.86	Material $$/ LF	8.03	6.86	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	9.32	Material $$/ LF	11.77	9.32	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	16.30	11.43	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	16.64	Material $$/ LF	23.53	16.64	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	22.93	Material $$/ LF	35.30	22.93	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	31.33	Material $$/ LF	47.06	31.33	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	37.68	Material $$/ LF	58.83	37.68	58.83

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	44.02	Material $$/ LF	70.59	**44.02**	**70.59**

ZONE:	2
	Special Secured Area
Material Manufacturer:	Systimax

COPPER TIE CABLE - CATEGORY 5E - NON-PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	1.87	2.41	1.87
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	3.35	2.97	3.35
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	6.29	4.06	6.29

Price / Foot - Terminated on Cat 5E Patch Panel

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.41	Material $$/ LF	3.14	2.41	3.14
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.97	Material $$/ LF	6.25	2.97	6.25
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.06	Material $$/ LF	12.50	4.06	12.50

COPPER TIE CABLE - CATEGORY 5E - PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.41	Material $$/ LF	4.28	2.41	4.28
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.97	Material $$/ LF	8.16	2.97	8.16
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	4.06	Material $$/ LF	15.92	4.06	15.92

Price per foot - terminated on category 5E patch panel

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.41	Material $$/ LF	5.55	2.41	5.55
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.97	Material $$/ LF	11.06	2.97	11.06
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.06	Material $$/ LF	22.13	4.06	22.13

COPPER TIE CABLE - MODULAR SPLICE

(Spliced pair = joining of two pair of conductors)

							TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	104.23	Material $$/ 25 Pair	3.74	104.23	3.74
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	163.90	Material $$/ 25 Pair	7.48	163.90	7.48
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	282.70	Material $$/ 25 Pair	14.97	282.70	14.97
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	402.60	Material $$/ 25 Pair	22.45	402.60	22.45
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	521.40	Material $$/ 25 Pair	29.94	521.40	29.94
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	782.10	Material $$/ 25 Pair	44.91	782.10	44.91
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	950.40	Material $$/ 25 Pair	59.88	950.40	59.88
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,122.00	Material $$/ 25 Pair	74.84	1,122.00	74.84
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,910.70	Material $$/ 25 Pair	134.72	1,910.70	134.72
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,455.20	Material $$/ 25 Pair	179.63	2,455.20	179.63
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,953.50	Material $$/ 25 Pair	224.53	2,953.50	224.53
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,405.60	Material $$/ 25 Pair	269.44	3,405.60	269.44

INNERDUCT

ZONE: 2

Special Secured Area

Material Manufacturer: Systimax

NON-PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	1.86	Material $$/ LF	0.74	1.86	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.06	Material $$/ LF	0.83	2.06	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.27	Material $$/ LF	1.01	2.27	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	1.13	2.48	1.13

PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	1.86	Material $$/ LF	2.21	1.86	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.06	Material $$/ LF	2.46	2.06	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.27	Material $$/ LF	3.47	2.27	3.47
1	2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.48	Material $$/ LF	4.35	2.48	4.35

NON-PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	1.86	Material $$/ LF	0.74	1.86	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.06	Material $$/ LF	0.83	2.06	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.27	Material $$/ LF	1.01	2.27	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	1.13	2.48	1.13

PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	1.86	Material $$/ LF	2.21	1.86	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.06	Material $$/ LF	2.46	2.06	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.27	Material $$/ LF	3.47	2.27	3.47
1	2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.48	Material $$/ LF	4.35	2.48	4.35

QTY	Size						Labor	Material
1	Fabric Innerduct	Innerduct 2" 3 Cell - Installed in Conduit	Labor $$ / LF	1.10	Material $$/ LF	2.46	1.10	2.46

*Price per foot includes labor to install above suspended ceiling

** Price per foor includes labor to install in conduits and risers

COPPER TIE CABLE - INDOOR SPLICE CASE

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case	Matl. $$ / Spi. Case	315.49	0.00	315.49

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	5.29	1.72	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	6.84	1.72	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	8.23	2.06	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	12.13	2.41	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	13.68	2.41	13.68

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	5.29	1.72	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	6.84	1.72	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	8.23	2.06	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	12.13	2.41	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 62.5/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.41	Material $$/ LF	13.68	2.41	13.68

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.29	1.72	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	6.84	1.72	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.23	2.06	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	12.13	2.41	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	13.68	2.41	13.68

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.29	1.72	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	6.84	1.72	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.23	2.06	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	12.13	2.41	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	13.68	2.41	13.68

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	5.28	1.72	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	6.88	1.72	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	8.22	2.06	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	12.16	2.41	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	13.76	2.41	13.76

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	5.28	1.72	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	6.88	1.72	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	8.22	2.06	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	12.16	2.41	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 50.0/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.41	Material $$/ LF	13.76	2.41	13.76

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.28	1.72	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	6.88	1.72	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.22	2.06	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	12.16	2.41	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	13.76	2.41	13.76

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.22	1.38	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.94	1.38	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.28	1.72	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	6.88	1.72	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.22	2.06	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	11.01	2.06	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	12.16	2.41	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	13.76	2.41	13.76

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	0.64	1.38	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.34	1.38	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	3.62	1.72	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	4.56	1.72	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	7.56	2.06	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	8.18	2.41	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	9.12	2.41	9.12

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	0.64	1.38	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.34	1.38	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	3.62	1.72	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	4.56	1.72	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	7.56	2.06	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	8.18	2.41	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	9.12	2.41	9.12

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	0.64	1.38	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.34	1.38	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	3.62	1.72	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.56	1.72	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	7.56	2.06	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	8.18	2.41	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.12	2.41	9.12

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	0.64	1.38	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.34	1.38	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	3.62	1.72	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.56	1.72	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	7.56	2.06	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	8.18	2.41	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.12	2.41	9.12

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.10	1.38	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	2.37	1.38	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	4.15	1.72	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	5.39	1.72	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	6.51	2.06	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	8.58	2.06	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	9.54	2.41	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	10.79	2.41	10.79

RISER FIBER CABLE SYSTEM (OFNR)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	2

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	0.53	1.38	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.38	Material $$/ LF	1.03	1.38	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	2.36	1.72	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.72	Material $$/ LF	3.45	1.72	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	3.39	2.06	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	5.81	2.41	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.41	Material $$/ LF	6.91	2.41	6.91

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	0.53	1.38	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.38	Material $$/ LF	1.03	1.38	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	2.36	1.72	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.72	Material $$/ LF	3.45	1.72	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	3.39	2.06	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	5.81	2.41	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.41	Material $$/ LF	6.91	2.41	6.91

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	0.53	1.38	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.03	1.38	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	2.36	1.72	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	3.45	1.72	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	3.39	2.06	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	5.81	2.41	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	6.91	2.41	6.91

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	0.53	1.38	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.38	Material $$/ LF	1.03	1.38	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	2.36	1.72	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.72	Material $$/ LF	3.45	1.72	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	3.39	2.06	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.06	Material $$/ LF	4.95	2.06	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	5.81	2.41	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.41	Material $$/ LF	6.91	2.41	6.91

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	171.58	137.50	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	128.07	137.50	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	340.73	137.50	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	361.79	137.50	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	439.15	137.50	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	247.46	137.50	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	332.51	137.50	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	398.16	137.50	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	104.74	168.44	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	118.91	168.44	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	177.76	168.44	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	187.90	168.44	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	316.75	168.44	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	493.79	168.44	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	155.85	168.44	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	162.22	168.44	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	224.42	168.44	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	234.07	168.44	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	315.90	168.44	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	347.92	168.44	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	407.37	168.44	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	449.91	168.44	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	107.10	61.88	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	124.59	61.88	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	61.88	Material $ / Cable	114.11	61.88	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	132.30	61.88	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	154.35	61.88	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	22.28	20.63	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	27.37	20.63	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	35.48	20.63	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	30.94	Material $ / Cable	34.02	30.94	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	30.94	Material $ / Cable	49.14	30.94	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	87.75	Material $ / Cable	97.02	87.75	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	86.63	Material $ / Cable	97.02	86.63	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	82.63	Material $ / Cable	97.02	82.63	97.02
1	31 & More	Power Poles	Labor $$ / Cable	76.27	Material $ / Cable	97.02	76.27	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	2

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	61.88			61.88	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	92.82			92.82	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	123.76			123.76	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	77.35			77.35	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83
1	Each	Self Traceable Cat 6 Patchcord 5'			Material $ / Cable	10.63	0.00	10.63

1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89
1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	2

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description				TOTAL COST Labor	TOTAL COST Material
	Material Rate:					
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68		82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96		93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56		9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35		15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87		134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14		8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26		54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	61.88	61.88	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	30.94	30.94	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	2

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	49.16	6.30	34.03	6.30	31.95	6.30	30.25	6.30	49.16	6.30
1	Core 1" X 6" includes sleeve & firestopping	73.74	6.30	51.05	6.30	47.93	6.30	45.38	6.30	73.74	6.30
1	Core 1" X 8" includes sleeve & firestopping	98.32	6.30	68.07	6.30	63.90	6.30	60.50	6.30	98.32	6.30
1	Core 1" X 10" includes sleeve & firestopping	122.90	6.30	85.09	6.30	79.88	6.30	75.63	6.30	122.90	6.30
1	Core 2" X 4" includes sleeve & firestopping	73.74	12.60	51.05	12.60	47.93	12.60	45.38	12.60	73.74	12.60
1	Core 2" X 6" includes sleeve & firestopping	98.32	12.60	68.07	12.60	63.90	12.60	60.50	12.60	98.32	12.60
1	Core 2" X 8" includes sleeve & firestopping	122.90	12.60	85.09	12.60	79.88	12.60	75.63	12.60	122.90	12.60
1	Core 2" X 10" includes sleeve & firestopping	147.48	12.60	102.10	12.60	95.85	12.60	90.75	12.60	147.48	12.60
1	Core 4" X 6" includes sleeve & firestopping	147.48	18.90	102.10	18.90	95.85	18.90	90.75	18.90	147.48	18.90
1	Core 4" X 12" includes sleeve & firestopping	196.64	18.90	136.14	18.90	127.80	18.90	121.00	18.90	196.64	18.90
1	Core 4" X 18" includes sleeve & firestopping	245.80	18.90	170.17	18.90	159.75	18.90	151.25	18.90	245.80	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00
1	Wire Removal - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00
1	Troubleshoot - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00

OSP CABLE CONSTRUCTION

Zone:	2

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.81	1.44	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.09	1.44	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.37	1.44	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.15	1.44	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.54	1.44	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.45	1.44	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.89	1.44	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.58	1.44	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.53	1.44	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	3.25	1.44	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	2.54	1.44	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.73	1.44	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	6.37	1.44	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	4.94	1.44	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.29	1.44	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.72	Material $ / Foot	0.85	1.72	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.41	Material $ / Foot	1.53	2.41	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	2.75	Material $ / Foot	2.77	2.75	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	16.50	Material $ / Foot	1.29	16.50	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	20.63	Material $ / Foot	3.88	20.63	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.55	1.38	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.85	1.38	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.53	1.38	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	2.77	1.38	2.77
1	Foot	Trench	Labor $$ / Foot	5.50	Material $ / Foot	0.00	5.50	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.62	Material $ / Foot	0.20	0.62	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	49.50	Material $ / Foot	63.00	49.50	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	13.75	Material $ / Foot	12.60	13.75	12.60

OSP CABLE CONSTRUCTION

Zone:	2

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.89	1.38	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.58	1.38	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.53	1.38	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	3.25	1.38	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	2.54	1.38	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.73	1.38	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	6.37	1.38	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	4.94	1.38	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.29	1.38	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.65	Material $ / Foot	0.85	1.65	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.34	Material $ / Foot	1.53	2.34	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.03	Material $ / Foot	2.77	3.03	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	11.00	Material $ / Foot	1.29	11.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	15.13	Material $ / Foot	3.88	15.13	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.55	1.38	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.85	1.38	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.53	1.38	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	2.77	1.38	2.77
1	Foot	Trench	Labor $$ / Foot	6.88	Material $ / Foot	0.00	6.88	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.76	Material $ / Foot	0.30	0.76	0.30
1	Each	Install Cable Guy	Labor $$ / each	49.50	Material $ / each	63.00	49.50	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	13.75	Material $ / each	12.60	13.75	12.60

Non-Area Specific

QTY	Units	Item Description						TOTAL COST	
								Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	165.00	Material $ / Foot	0.00		165.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	165.00	Material $ / Foot	0.00		165.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	3,410.00	Material $ / Foot	8694.00		3,410.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	2,420.00	Material $ / Foot	2520.00		2,420.00	2,520.00

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
	Special Secured Area
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.17	0.51	0.81	0.51	0.76	0.51	0.72	0.51	1.17	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.02	0.98	1.02	0.92	1.02	0.87	1.02	1.41	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.64	1.52	1.14	1.52	1.07	1.52	1.01	1.52	1.64	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.88	2.03	1.30	2.03	1.22	2.03	1.16	2.03	1.88	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.11	2.54	1.46	2.54	1.37	2.54	1.30	2.54	2.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.35	3.05	1.63	3.05	1.53	3.05	1.44	3.05	2.35	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.58	3.55	1.79	3.55	1.68	3.55	1.59	3.55	2.58	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.82	4.06	1.95	4.06	1.83	4.06	1.73	4.06	2.82	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.51	1.14	0.51	1.07	0.51	1.01	0.51	1.64	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.02	1.37	1.02	1.28	1.02	1.21	1.02	1.97	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.30	1.52	1.59	1.52	1.50	1.52	1.42	1.52	2.30	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.63	2.03	1.82	2.03	1.71	2.03	1.62	2.03	2.63	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.96	2.54	2.05	2.54	1.92	2.54	1.82	2.54	2.96	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.29	3.05	2.28	3.05	2.14	3.05	2.02	3.05	3.29	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.61	3.55	2.50	3.55	2.35	3.55	2.22	3.55	3.61	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.94	4.06	2.73	4.06	2.56	4.06	2.43	4.06	3.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.22	0.81	0.22	0.76	0.22	0.72	0.22	1.17	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.45	0.98	0.45	0.92	0.45	0.87	0.45	1.41	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.64	0.67	1.14	0.67	1.07	0.67	1.01	0.67	1.64	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.88	0.90	1.30	0.90	1.22	0.90	1.16	0.90	1.88	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.11	1.12	1.46	1.12	1.37	1.12	1.30	1.12	2.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.35	1.35	1.63	1.35	1.53	1.35	1.44	1.35	2.35	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.58	1.57	1.79	1.57	1.68	1.57	1.59	1.57	2.58	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.82	1.79	1.95	1.79	1.83	1.79	1.73	1.79	2.82	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.22	1.14	0.22	1.07	0.22	1.01	0.22	1.64	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.45	1.37	0.45	1.28	0.45	1.21	0.45	1.97	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.30	0.67	1.59	0.67	1.50	0.67	1.42	0.67	2.30	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.63	0.90	1.82	0.90	1.71	0.90	1.62	0.90	2.63	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.96	1.12	2.05	1.12	1.92	1.12	1.82	1.12	2.96	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.29	1.35	2.28	1.35	2.14	1.35	2.02	1.35	3.29	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.61	1.57	2.50	1.57	2.35	1.57	2.22	1.57	3.61	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.94	1.79	2.73	1.79	2.56	1.79	2.43	1.79	3.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.23	0.51	1.54	0.51	1.45	0.51	1.37	0.51	2.23	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.70	1.02	1.87	1.02	1.75	1.02	1.66	1.02	2.70	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.17	1.52	2.19	1.52	2.06	1.52	1.95	1.52	3.17	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.64	2.03	2.52	2.03	2.36	2.03	2.24	2.03	3.64	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.11	2.54	2.84	2.54	2.67	2.54	2.53	2.54	4.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.58	3.05	3.17	3.05	2.98	3.05	2.82	3.05	4.58	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.05	3.55	3.49	3.55	3.28	3.55	3.11	3.55	5.05	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.52	4.06	3.82	4.06	3.59	4.06	3.39	4.06	5.52	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.12	0.51	2.16	0.51	2.03	0.51	1.92	0.51	3.12	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.78	1.02	2.62	1.02	2.46	1.02	2.33	1.02	3.78	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.44	1.52	3.07	1.52	2.88	1.52	2.73	1.52	4.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.09	2.03	3.53	2.03	3.31	2.03	3.13	2.03	5.09	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.75	2.54	3.98	2.54	3.74	2.54	3.54	2.54	5.75	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.41	3.05	4.44	3.05	4.17	3.05	3.94	3.05	6.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.07	3.55	4.89	3.55	4.59	3.55	4.35	3.55	7.07	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.72	4.06	5.35	4.06	5.02	4.06	4.75	4.06	7.72	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.23	0.22	1.54	0.22	1.45	0.22	1.37	0.22	2.23	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	0.45	1.87	0.45	1.75	0.45	1.66	0.45	2.70	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.17	0.67	2.19	0.67	2.06	0.67	1.95	0.67	3.17	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.64	0.90	2.52	0.90	2.36	0.90	2.24	0.90	3.64	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.11	1.12	2.84	1.12	2.67	1.12	2.53	1.12	4.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.58	1.35	3.17	1.35	2.98	1.35	2.82	1.35	4.58	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.05	1.57	3.49	1.57	3.28	1.57	3.11	1.57	5.05	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.52	1.79	3.82	1.79	3.59	1.79	3.39	1.79	5.52	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.12	0.22	2.16	0.22	2.03	0.22	1.92	0.22	3.12	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	0.45	2.62	0.45	2.46	0.45	2.33	0.45	3.78	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.44	0.67	3.07	0.67	2.88	0.67	2.73	0.67	4.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.09	0.90	3.53	0.90	3.31	0.90	3.13	0.90	5.09	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.75	1.12	3.98	1.12	3.74	1.12	3.54	1.12	5.75	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.41	1.35	4.44	1.35	4.17	1.35	3.94	1.35	6.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.07	1.57	4.89	1.57	4.59	1.57	4.35	1.57	7.07	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.72	1.79	5.35	1.79	5.02	1.79	4.75	1.79	7.72	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.29	0.77	0.89	0.77	0.84	0.77	0.79	0.77	1.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.53	1.06	1.53	0.99	1.53	0.94	1.53	1.53	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	2.30	1.22	2.30	1.14	2.30	1.08	2.30	1.76	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	3.06	1.38	3.06	1.30	3.06	1.23	3.06	2.00	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	3.83	1.54	3.83	1.45	3.83	1.37	3.83	2.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	4.60	1.71	4.60	1.60	4.60	1.52	4.60	2.46	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	5.36	1.87	5.36	1.75	5.36	1.66	5.36	2.70	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	6.13	2.03	6.13	1.91	6.13	1.81	6.13	2.93	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	1.53	1.48	1.53	1.39	1.53	1.31	1.53	2.14	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	2.30	1.71	2.30	1.60	2.30	1.52	2.30	2.46	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	3.06	1.93	3.06	1.82	3.06	1.72	3.06	2.79	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	3.83	2.16	3.83	2.03	3.83	1.92	3.83	3.12	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	4.60	2.39	4.60	2.24	4.60	2.12	4.60	3.45	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	5.36	2.62	5.36	2.46	5.36	2.33	5.36	3.78	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.11	6.13	2.84	6.13	2.67	6.13	2.53	6.13	4.11	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.33	0.89	0.33	0.84	0.33	0.79	0.33	1.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.65	1.06	0.65	0.99	0.65	0.94	0.65	1.53	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.98	1.22	0.98	1.14	0.98	1.08	0.98	1.76	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	1.30	1.38	1.30	1.30	1.30	1.23	1.30	2.00	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.63	1.54	1.63	1.45	1.63	1.37	1.63	2.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.95	1.71	1.95	1.60	1.95	1.52	1.95	2.46	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	2.28	1.87	2.28	1.75	2.28	1.66	2.28	2.70	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	2.60	2.03	2.60	1.91	2.60	1.81	2.60	2.93	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.65	1.48	0.65	1.39	0.65	1.31	0.65	2.14	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.98	1.71	0.98	1.60	0.98	1.52	0.98	2.46	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	1.30	1.93	1.30	1.82	1.30	1.72	1.30	2.79	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.63	2.16	1.63	2.03	1.63	1.92	1.63	3.12	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.95	2.39	1.95	2.24	1.95	2.12	1.95	3.45	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	2.28	2.62	2.28	2.46	2.28	2.33	2.28	3.78	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.11	2.60	2.84	2.60	2.67	2.60	2.53	2.60	4.11	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.35	0.77	1.63	0.77	1.53	0.77	1.44	0.77	2.35	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.82	1.53	1.95	1.53	1.83	1.53	1.73	1.53	2.82	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.29	2.30	2.28	2.30	2.14	2.30	2.02	2.30	3.29	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.76	3.06	2.60	3.06	2.44	3.06	2.31	3.06	3.76	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.23	3.83	2.93	3.83	2.75	3.83	2.60	3.83	4.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.69	4.60	3.25	4.60	3.05	4.60	2.89	4.60	4.69	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.16	5.36	3.58	5.36	3.36	5.36	3.18	5.36	5.16	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.63	6.13	3.90	6.13	3.66	6.13	3.47	6.13	5.63	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.29	0.77	2.28	0.77	2.14	0.77	2.02	0.77	3.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.94	1.53	2.73	1.53	2.56	1.53	2.43	1.53	3.94	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.60	2.30	3.19	2.30	2.99	2.30	2.83	2.30	4.60	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.26	3.06	3.64	3.06	3.42	3.06	3.24	3.06	5.26	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.83	4.10	3.83	3.84	3.83	3.64	3.83	5.92	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.57	4.60	4.55	4.60	4.27	4.60	4.04	4.60	6.57	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.23	5.36	5.01	5.36	4.70	5.36	4.45	5.36	7.23	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.89	6.13	5.46	6.13	5.13	6.13	4.85	6.13	7.89	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.35	0.33	1.63	0.33	1.53	0.33	1.44	0.33	2.35	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.82	0.65	1.95	0.65	1.83	0.65	1.73	0.65	2.82	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.98	2.28	0.98	2.14	0.98	2.02	0.98	3.29	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.76	1.30	2.60	1.30	2.44	1.30	2.31	1.30	3.76	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.63	2.93	1.63	2.75	1.63	2.60	1.63	4.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.69	1.95	3.25	1.95	3.05	1.95	2.89	1.95	4.69	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.16	2.28	3.58	2.28	3.36	2.28	3.18	2.28	5.16	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.63	2.60	3.90	2.60	3.66	2.60	3.47	2.60	5.63	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.29	0.33	2.28	0.33	2.14	0.33	2.02	0.33	3.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.94	0.65	2.73	0.65	2.56	0.65	2.43	0.65	3.94	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.60	0.98	3.19	0.98	2.99	0.98	2.83	0.98	4.60	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.26	1.30	3.64	1.30	3.42	1.30	3.24	1.30	5.26	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.63	4.10	1.63	3.84	1.63	3.64	1.63	5.92	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.57	1.95	4.55	1.95	4.27	1.95	4.04	1.95	6.57	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.23	2.28	5.01	2.28	4.70	2.28	4.45	2.28	7.23	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.89	2.60	5.46	2.60	5.13	2.60	4.85	2.60	7.89	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Duplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Triplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Quadplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Sixplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Eightplex Outlet	2.61	4.17	1.80	4.17	1.69	4.17	1.60	4.17		2.61	4.17
1	Modular Faceplate Tenplex Outlet	5.21	4.17	3.61	4.17	3.39	4.17	3.21	4.17	*1	5.21	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31	*2	5.29	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Surface Mount Box (2 Outlet)	10.50	3.06	7.27	3.06	6.83	3.06	6.46	3.06		10.50	3.06
1	Surface Mount Box (4 Outlet)	10.50	3.63	7.27	3.63	6.83	3.63	6.46	3.63		10.50	3.63
1	Surface Mount Box (6 Outlet)	10.50	8.96	7.27	8.96	6.83	8.96	6.46	8.96		10.50	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.50	4.89	7.27	4.89	6.83	4.89	6.46	4.89		10.50	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.50	8.72	7.27	8.72	6.83	8.72	6.46	8.72		10.50	8.72
1	Floor Monument Single Duplex Opening	6.56	40.96	4.54	40.96	4.26	40.96	4.03	40.96		6.56	40.96
1	Floor Monument Double Duplex Opening	6.56	47.23	4.54	47.23	4.26	47.23	4.03	47.23		6.56	47.23
1	Wall Mount Faceplate 630b	13.19	16.29	9.13	16.29	8.57	16.29	8.12	16.29		13.19	16.29
1	110 Type Wiring Block 25 Pair	44.78	6.43	31.00	6.43	29.11	6.43	27.56	6.43		44.78	6.43
1	110 Type Wiring Block 50 Pair	76.37	7.69	52.87	7.69	49.64	7.69	46.99	7.69		76.37	7.69
1	110 Type Wiring Block 100 Pair	146.10	13.29	101.15	13.29	94.97	13.29	89.91	13.29		146.10	13.29
1	110 Type Wiring Block 300 Pair	405.38	31.35	280.65	31.35	263.50	31.35	249.45	31.35		405.38	31.35
1	110 Type Connecting Block - 3 Pair	2.61	0.56	1.80	0.56	1.69	0.56	1.60	0.56		2.61	0.56
1	110 Type Connecting Block - 4 Pair	2.61	0.74	1.80	0.74	1.69	0.74	1.60	0.74		2.61	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	3

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.61	0.81	1.80	0.81	1.69	0.81	1.60	0.81		2.61	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	76.37	15.93	52.87	15.93	49.64	15.93	46.99	15.93		76.37	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	146.10	15.93	101.15	15.93	94.97	15.93	89.91	15.93		146.10	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	405.38	37.49	280.65	37.49	263.50	37.49	249.45	37.49		405.38	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	81.58	133.88	56.48	133.88	53.03	133.88	50.20	133.88		81.58	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	81.58	207.90	56.48	207.90	53.03	207.90	50.20	207.90		81.58	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	81.58	415.80	56.48	415.80	53.03	415.80	50.20	415.80		81.58	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	81.58	274.74	56.48	274.74	53.03	274.74	50.20	274.74		81.58	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	121.07	491.40	83.82	491.40	78.70	491.40	74.50	491.40	*4	121.07	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	121.07	632.97	83.82	632.97	78.70	632.97	74.50	632.97		121.07	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	160.56	822.96	111.16	822.96	104.36	822.96	98.80	822.96		160.56	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	284.31	175.14	196.83	175.14	184.80	175.14	174.95	175.14		284.31	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	505.44	350.28	349.93	350.28	328.54	350.28	311.03	350.28		505.44	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	252.72	700.56	174.96	700.56	164.27	700.56	155.51	700.56		252.72	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	284.31	308.70	196.83	308.70	184.80	308.70	174.95	308.70		284.31	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	505.44	580.86	349.93	580.86	328.54	580.86	311.03	580.86		505.44	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	252.72	1161.72	174.96	1161.72	164.27	1161.72	155.51	1161.72		252.72	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	347.49	370.57	240.58	370.57	225.87	370.57	213.83	370.57		347.49	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	694.98	741.20	481.15	741.20	451.74	741.20	427.66	741.20		694.98	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	252.72	1482.39	174.96	1482.39	164.27	1482.39	155.51	1482.39		252.72	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.19	69.30	9.13	69.30	8.57	69.30	8.12	69.30		13.19	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	14.45	0.00	10.01	0.00	9.39	0.00	8.89	0.00		14.45	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.08	0.51	0.75	0.51	0.70	0.51	0.67	0.51	1.08	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.30	1.02	0.90	1.02	0.85	1.02	0.80	1.02	1.30	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.52	1.52	1.05	1.52	0.99	1.52	0.93	1.52	1.52	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.73	2.03	1.20	2.03	1.13	2.03	1.07	2.03	1.73	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.95	2.54	1.35	2.54	1.27	2.54	1.20	2.54	1.95	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.17	3.05	1.50	3.05	1.41	3.05	1.33	3.05	2.17	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.38	3.55	1.65	3.55	1.55	3.55	1.47	3.55	2.38	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.60	4.06	1.80	4.06	1.69	4.06	1.60	4.06	2.60	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.52	0.51	1.05	0.51	0.99	0.51	0.93	0.51	1.52	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.82	1.02	1.26	1.02	1.18	1.02	1.12	1.02	1.82	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.12	1.52	1.47	1.52	1.38	1.52	1.31	1.52	2.12	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.43	2.03	1.68	2.03	1.58	2.03	1.49	2.03	2.43	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.73	2.54	1.89	2.54	1.77	2.54	1.68	2.54	2.73	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.03	3.05	2.10	3.05	1.97	3.05	1.87	3.05	3.03	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.34	3.55	2.31	3.55	2.17	3.55	2.05	3.55	3.34	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.64	4.06	2.52	4.06	2.37	4.06	2.24	4.06	3.64	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.08	0.22	0.75	0.22	0.70	0.22	0.67	0.22	1.08	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.30	0.45	0.90	0.45	0.85	0.45	0.80	0.45	1.30	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.52	0.67	1.05	0.67	0.99	0.67	0.93	0.67	1.52	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.73	0.90	1.20	0.90	1.13	0.90	1.07	0.90	1.73	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.95	1.12	1.35	1.12	1.27	1.12	1.20	1.12	1.95	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.17	1.35	1.50	1.35	1.41	1.35	1.33	1.35	2.17	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.38	1.57	1.65	1.57	1.55	1.57	1.47	1.57	2.38	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.60	1.79	1.80	1.79	1.69	1.79	1.60	1.79	2.60	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.52	0.22	1.05	0.22	0.99	0.22	0.93	0.22	1.52	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.82	0.45	1.26	0.45	1.18	0.45	1.12	0.45	1.82	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.12	0.67	1.47	0.67	1.38	0.67	1.31	0.67	2.12	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.43	0.90	1.68	0.90	1.58	0.90	1.49	0.90	2.43	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.73	1.12	1.89	1.12	1.77	1.12	1.68	1.12	2.73	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.03	1.35	2.10	1.35	1.97	1.35	1.87	1.35	3.03	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.34	1.57	2.31	1.57	2.17	1.57	2.05	1.57	3.34	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.64	1.79	2.52	1.79	2.37	1.79	2.24	1.79	3.64	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.06	0.51	1.43	0.51	1.34	0.51	1.27	0.51	2.06	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.49	1.02	1.73	1.02	1.62	1.02	1.53	1.02	2.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.93	1.52	2.03	1.52	1.90	1.52	1.80	1.52	2.93	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.36	2.03	2.33	2.03	2.18	2.03	2.07	2.03	3.36	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.79	2.54	2.63	2.54	2.46	2.54	2.33	2.54	3.79	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.23	3.05	2.93	3.05	2.75	3.05	2.60	3.05	4.23	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.66	3.55	3.23	3.55	3.03	3.55	2.87	3.55	4.66	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.09	4.06	3.53	4.06	3.31	4.06	3.13	4.06	5.09	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.88	0.51	2.00	0.51	1.87	0.51	1.77	0.51	2.88	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.49	1.02	2.42	1.02	2.27	1.02	2.15	1.02	3.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.10	1.52	2.84	1.52	2.66	1.52	2.52	1.52	4.10	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.70	2.03	3.26	2.03	3.06	2.03	2.89	2.03	4.70	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.31	2.54	3.68	2.54	3.45	2.54	3.27	2.54	5.31	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.05	4.10	3.05	3.85	3.05	3.64	3.05	5.92	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.52	3.55	4.52	3.55	4.24	3.55	4.01	3.55	6.52	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.13	4.06	4.94	4.06	4.63	4.06	4.39	4.06	7.13	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.06	0.22	1.43	0.22	1.34	0.22	1.27	0.22	2.06	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	0.45	1.73	0.45	1.62	0.45	1.53	0.45	2.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.93	0.67	2.03	0.67	1.90	0.67	1.80	0.67	2.93	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.36	0.90	2.33	0.90	2.18	0.90	2.07	0.90	3.36	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.79	1.12	2.63	1.12	2.46	1.12	2.33	1.12	3.79	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.35	2.93	1.35	2.75	1.35	2.60	1.35	4.23	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.66	1.57	3.23	1.57	3.03	1.57	2.87	1.57	4.66	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.09	1.79	3.53	1.79	3.31	1.79	3.13	1.79	5.09	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.88	0.22	2.00	0.22	1.87	0.22	1.77	0.22	2.88	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	0.45	2.42	0.45	2.27	0.45	2.15	0.45	3.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.10	0.67	2.84	0.67	2.66	0.67	2.52	0.67	4.10	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.70	0.90	3.26	0.90	3.06	0.90	2.89	0.90	4.70	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.31	1.12	3.68	1.12	3.45	1.12	3.27	1.12	5.31	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.35	4.10	1.35	3.85	1.35	3.64	1.35	5.92	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.52	1.57	4.52	1.57	4.24	1.57	4.01	1.57	6.52	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.13	1.79	4.94	1.79	4.63	1.79	4.39	1.79	7.13	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.19	0.77	0.83	0.77	0.77	0.77	0.73	0.77	1.19	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.53	0.98	1.53	0.92	1.53	0.87	1.53	1.41	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	2.30	1.13	2.30	1.06	2.30	1.00	2.30	1.63	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	3.06	1.28	3.06	1.20	3.06	1.13	3.06	1.84	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	3.83	1.43	3.83	1.34	3.83	1.27	3.83	2.06	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	4.60	1.58	4.60	1.48	4.60	1.40	4.60	2.28	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	5.36	1.73	5.36	1.62	5.36	1.53	5.36	2.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.71	6.13	1.88	6.13	1.76	6.13	1.67	6.13	2.71	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.77	1.16	0.77	1.08	0.77	1.03	0.77	1.67	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.53	1.37	1.53	1.28	1.53	1.21	1.53	1.97	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	2.30	1.58	2.30	1.48	2.30	1.40	2.30	2.28	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	3.06	1.79	3.06	1.68	3.06	1.59	3.06	2.58	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	3.83	2.00	3.83	1.87	3.83	1.77	3.83	2.88	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	4.60	2.21	4.60	2.07	4.60	1.96	4.60	3.19	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	5.36	2.42	5.36	2.27	5.36	2.15	5.36	3.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.79	6.13	2.63	6.13	2.46	6.13	2.33	6.13	3.79	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.33	0.83	0.33	0.77	0.33	0.73	0.33	1.19	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.65	0.98	0.65	0.92	0.65	0.87	0.65	1.41	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.98	1.13	0.98	1.06	0.98	1.00	0.98	1.63	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	1.30	1.28	1.30	1.20	1.30	1.13	1.30	1.84	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.63	1.43	1.63	1.34	1.63	1.27	1.63	2.06	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.95	1.58	1.95	1.48	1.95	1.40	1.95	2.28	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	2.28	1.73	2.28	1.62	2.28	1.53	2.28	2.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.71	2.60	1.88	2.60	1.76	2.60	1.67	2.60	2.71	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.33	1.16	0.33	1.08	0.33	1.03	0.33	1.67	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.65	1.37	0.65	1.28	0.65	1.21	0.65	1.97	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.98	1.58	0.98	1.48	0.98	1.40	0.98	2.28	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	1.30	1.79	1.30	1.68	1.30	1.59	1.30	2.58	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.63	2.00	1.63	1.87	1.63	1.77	1.63	2.88	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.95	2.21	1.95	2.07	1.95	1.96	1.95	3.19	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	2.28	2.42	2.28	2.27	2.28	2.15	2.28	3.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.79	2.60	2.63	2.60	2.46	2.60	2.33	2.60	3.79	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.17	0.77	1.50	0.77	1.41	0.77	1.33	0.77	2.17	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.60	1.53	1.80	1.53	1.69	1.53	1.60	1.53	2.60	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.03	2.30	2.10	2.30	1.97	2.30	1.87	2.30	3.03	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.47	3.06	2.40	3.06	2.25	3.06	2.13	3.06	3.47	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.90	3.83	2.70	3.83	2.54	3.83	2.40	3.83	3.90	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.33	4.60	3.00	4.60	2.82	4.60	2.67	4.60	4.33	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.77	5.36	3.30	5.36	3.10	5.36	2.93	5.36	4.77	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.20	6.13	3.60	6.13	3.38	6.13	3.20	6.13	5.20	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.03	0.77	2.10	0.77	1.97	0.77	1.87	0.77	3.03	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.64	1.53	2.52	1.53	2.37	1.53	2.24	1.53	3.64	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.25	2.30	2.94	2.30	2.76	2.30	2.61	2.30	4.25	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.85	3.06	3.36	3.06	3.15	3.06	2.99	3.06	4.85	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.46	3.83	3.78	3.83	3.55	3.83	3.36	3.83	5.46	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.07	4.60	4.20	4.60	3.94	4.60	3.73	4.60	6.07	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.67	5.36	4.62	5.36	4.34	5.36	4.11	5.36	6.67	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.28	6.13	5.04	6.13	4.73	6.13	4.48	6.13	7.28	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.17	0.33	1.50	0.33	1.41	0.33	1.33	0.33	2.17	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.60	0.65	1.80	0.65	1.69	0.65	1.60	0.65	2.60	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.03	0.98	2.10	0.98	1.97	0.98	1.87	0.98	3.03	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.47	1.30	2.40	1.30	2.25	1.30	2.13	1.30	3.47	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.90	1.63	2.70	1.63	2.54	1.63	2.40	1.63	3.90	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.33	1.95	3.00	1.95	2.82	1.95	2.67	1.95	4.33	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.77	2.28	3.30	2.28	3.10	2.28	2.93	2.28	4.77	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.20	2.60	3.60	2.60	3.38	2.60	3.20	2.60	5.20	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.03	0.33	2.10	0.33	1.97	0.33	1.87	0.33	3.03	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.64	0.65	2.52	0.65	2.37	0.65	2.24	0.65	3.64	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.25	0.98	2.94	0.98	2.76	0.98	2.61	0.98	4.25	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.85	1.30	3.36	1.30	3.15	1.30	2.99	1.30	4.85	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.46	1.63	3.78	1.63	3.55	1.63	3.36	1.63	5.46	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.07	1.95	4.20	1.95	3.94	1.95	3.73	1.95	6.07	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.67	2.28	4.62	2.28	4.34	2.28	4.11	2.28	6.67	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.28	2.60	5.04	2.60	4.73	2.60	4.48	2.60	7.28	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Duplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Triplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Quadplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Sixplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Eightplex Outlet	2.41	4.17	1.67	4.17	1.56	4.17	1.48	4.17		2.41	4.17
1	Modular Faceplate Tenplex Outlet	4.81	4.17	3.33	4.17	3.13	4.17	2.96	4.17	*1	4.81	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31	*2	4.88	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Surface Mount Box (2 Outlet)	9.70	3.06	6.71	3.06	6.30	3.06	5.97	3.06		9.70	3.06
1	Surface Mount Box (4 Outlet)	9.70	3.63	6.71	3.63	6.30	3.63	5.97	3.63		9.70	3.63
1	Surface Mount Box (6 Outlet)	9.70	8.96	6.71	8.96	6.30	8.96	5.97	8.96		9.70	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	9.70	4.89	6.71	4.89	6.30	4.89	5.97	4.89		9.70	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	9.70	8.72	6.71	8.72	6.30	8.72	5.97	8.72		9.70	8.72
1	Floor Monument Single Duplex Opening	6.05	40.96	4.19	40.96	3.93	40.96	3.72	40.96		6.05	40.96
1	Floor Monument Double Duplex Opening	6.05	47.23	4.19	47.23	3.93	47.23	3.72	47.23		6.05	47.23
1	Wall Mount Faceplate 630b	12.17	16.29	8.43	16.29	7.91	16.29	7.49	16.29		12.17	16.29
1	110 Type Wiring Block 25 Pair	41.33	6.43	28.62	6.43	26.87	6.43	25.44	6.43		41.33	6.43
1	110 Type Wiring Block 50 Pair	70.49	7.69	48.80	7.69	45.82	7.69	43.38	7.69		70.49	7.69
1	110 Type Wiring Block 100 Pair	134.87	13.29	93.37	13.29	87.67	13.29	82.99	13.29		134.87	13.29
1	110 Type Wiring Block 300 Pair	374.20	31.35	259.06	31.35	243.25	31.35	230.27	31.35		374.20	31.35
1	110 Type Connecting Block - 3 Pair	2.41	0.56	1.67	0.56	1.56	0.56	1.48	0.56		2.41	0.56
1	110 Type Connecting Block - 4 Pair	2.41	0.74	1.67	0.74	1.56	0.74	1.48	0.74		2.41	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	4

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.41	0.81	1.67	0.81	1.56	0.81	1.48	0.81		2.41	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	70.49	15.93	48.80	15.93	45.82	15.93	43.38	15.93		70.49	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	134.87	15.93	93.37	15.93	87.67	15.93	82.99	15.93		134.87	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	374.20	37.49	259.06	37.49	243.25	37.49	230.27	37.49		374.20	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	75.31	133.88	52.13	133.88	48.95	133.88	46.34	133.88		75.31	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	75.31	207.90	52.13	207.90	48.95	207.90	46.34	207.90		75.31	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	75.31	415.80	52.13	415.80	48.95	415.80	46.34	415.80		75.31	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	75.31	274.74	52.13	274.74	48.95	274.74	46.34	274.74		75.31	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	111.76	491.40	77.37	491.40	72.65	491.40	68.77	491.40	*4	111.76	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	111.76	632.97	77.37	632.97	72.65	632.97	68.77	632.97		111.76	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	148.21	822.96	102.60	822.96	96.34	822.96	91.20	822.96		148.21	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	262.44	175.14	181.69	175.14	170.60	175.14	161.50	175.14		262.44	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	466.56	350.28	323.00	350.28	303.29	350.28	287.11	350.28		466.56	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	233.28	700.56	161.50	700.56	151.64	700.56	143.56	700.56		233.28	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	262.44	308.70	181.69	308.70	170.60	308.70	161.50	308.70		262.44	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	466.56	580.86	323.00	580.86	303.29	580.86	287.11	580.86		466.56	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	233.28	1161.72	161.50	1161.72	151.64	1161.72	143.56	1161.72		233.28	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	320.76	370.57	222.06	370.57	208.51	370.57	197.39	370.57		320.76	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	641.52	741.20	444.13	741.20	417.02	741.20	394.78	741.20		641.52	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	233.28	1482.39	161.50	1482.39	151.64	1482.39	143.56	1482.39		233.28	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	12.17	69.30	8.43	69.30	7.91	69.30	7.49	69.30		12.17	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	13.34	0.00	9.24	0.00	8.67	0.00	8.21	0.00		13.34	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.81	0.32	0.56	0.32	0.53	0.32	0.50	0.32	0.81	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	0.99	0.64	0.69	0.64	0.65	0.64	0.61	0.64	0.99	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.17	0.95	0.81	0.95	0.76	0.95	0.72	0.95	1.17	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.35	1.27	0.94	1.27	0.88	1.27	0.83	1.27	1.35	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.59	1.06	1.59	1.00	1.59	0.94	1.59	1.53	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.72	1.91	1.19	1.91	1.11	1.91	1.06	1.91	1.72	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.90	2.22	1.31	2.22	1.23	2.22	1.17	2.22	1.90	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.08	2.54	1.44	2.54	1.35	2.54	1.28	2.54	2.08	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.14	0.32	0.79	0.32	0.74	0.32	0.70	0.32	1.14	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.39	0.64	0.96	0.64	0.90	0.64	0.86	0.64	1.39	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.95	1.14	0.95	1.07	0.95	1.01	0.95	1.64	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.90	1.27	1.31	1.27	1.23	1.27	1.17	1.27	1.90	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.15	1.59	1.49	1.59	1.40	1.59	1.32	1.59	2.15	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.40	1.91	1.66	1.91	1.56	1.91	1.48	1.91	2.40	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.65	2.22	1.84	2.22	1.73	2.22	1.63	2.22	2.65	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.91	2.54	2.01	2.54	1.89	2.54	1.79	2.54	2.91	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.81	0.18	0.56	0.18	0.53	0.18	0.50	0.18	0.81	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	0.99	0.35	0.69	0.35	0.65	0.35	0.61	0.35	0.99	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.53	0.81	0.53	0.76	0.53	0.72	0.53	1.17	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.35	0.70	0.94	0.70	0.88	0.70	0.83	0.70	1.35	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.88	1.06	0.88	1.00	0.88	0.94	0.88	1.53	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.72	1.05	1.19	1.05	1.11	1.05	1.06	1.05	1.72	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.90	1.23	1.31	1.23	1.23	1.23	1.17	1.23	1.90	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.08	1.40	1.44	1.40	1.35	1.40	1.28	1.40	2.08	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.14	0.18	0.79	0.18	0.74	0.18	0.70	0.18	1.14	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.39	0.35	0.96	0.35	0.90	0.35	0.86	0.35	1.39	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.53	1.14	0.53	1.07	0.53	1.01	0.53	1.64	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.90	0.70	1.31	0.70	1.23	0.70	1.17	0.70	1.90	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.15	0.88	1.49	0.88	1.40	0.88	1.32	0.88	2.15	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.40	1.05	1.66	1.05	1.56	1.05	1.48	1.05	2.40	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.65	1.23	1.84	1.23	1.73	1.23	1.63	1.23	2.65	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.91	1.40	2.01	1.40	1.89	1.40	1.79	1.40	2.91	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.81	0.32	0.56	0.32	0.53	0.32	0.50	0.32	0.81	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	0.99	0.64	0.69	0.64	0.65	0.64	0.61	0.64	0.99	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.17	0.95	0.81	0.95	0.76	0.95	0.72	0.95	1.17	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.35	1.27	0.94	1.27	0.88	1.27	0.83	1.27	1.35	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	1.59	1.06	1.59	1.00	1.59	0.94	1.59	1.53	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.72	1.91	1.19	1.91	1.11	1.91	1.06	1.91	1.72	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.90	2.22	1.31	2.22	1.23	2.22	1.17	2.22	1.90	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.08	2.54	1.44	2.54	1.35	2.54	1.28	2.54	2.08	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.14	0.32	0.79	0.32	0.74	0.32	0.70	0.32	1.14	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.39	0.64	0.96	0.64	0.90	0.64	0.86	0.64	1.39	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.64	0.95	1.14	0.95	1.07	0.95	1.01	0.95	1.64	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.90	1.27	1.31	1.27	1.23	1.27	1.17	1.27	1.90	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.15	1.59	1.49	1.59	1.40	1.59	1.32	1.59	2.15	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.40	1.91	1.66	1.91	1.56	1.91	1.48	1.91	2.40	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.65	2.22	1.84	2.22	1.73	2.22	1.63	2.22	2.65	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.91	2.54	2.01	2.54	1.89	2.54	1.79	2.54	2.91	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.81	0.18	0.56	0.18	0.53	0.18	0.50	0.18	0.81	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	0.99	0.35	0.69	0.35	0.65	0.35	0.61	0.35	0.99	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.17	0.53	0.81	0.53	0.76	0.53	0.72	0.53	1.17	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.35	0.70	0.94	0.70	0.88	0.70	0.83	0.70	1.35	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.88	1.06	0.88	1.00	0.88	0.94	0.88	1.53	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.72	1.05	1.19	1.05	1.11	1.05	1.06	1.05	1.72	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.90	1.23	1.31	1.23	1.23	1.23	1.17	1.23	1.90	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.08	1.40	1.44	1.40	1.35	1.40	1.28	1.40	2.08	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.14	0.18	0.79	0.18	0.74	0.18	0.70	0.18	1.14	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.39	0.35	0.96	0.35	0.90	0.35	0.86	0.35	1.39	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.64	0.53	1.14	0.53	1.07	0.53	1.01	0.53	1.64	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.90	0.70	1.31	0.70	1.23	0.70	1.17	0.70	1.90	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.15	0.88	1.49	0.88	1.40	0.88	1.32	0.88	2.15	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.40	1.05	1.66	1.05	1.56	1.05	1.48	1.05	2.40	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.65	1.23	1.84	1.23	1.73	1.23	1.63	1.23	2.65	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.91	1.40	2.01	1.40	1.89	1.40	1.79	1.40	2.91	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	0.90	0.51	0.63	0.51	0.59	0.51	0.56	0.51	0.90	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.08	1.02	0.75	1.02	0.70	1.02	0.67	1.02	1.08	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.26	1.52	0.88	1.52	0.82	1.52	0.78	1.52	1.26	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.44	2.03	1.00	2.03	0.94	2.03	0.89	2.03	1.44	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	2.54	1.13	2.54	1.06	2.54	1.00	2.54	1.63	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.81	3.05	1.25	3.05	1.17	3.05	1.11	3.05	1.81	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.99	3.55	1.38	3.55	1.29	3.55	1.22	3.55	1.99	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.17	4.06	1.50	4.06	1.41	4.06	1.33	4.06	2.17	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.26	0.51	0.88	0.51	0.82	0.51	0.78	0.51	1.26	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.52	1.02	1.05	1.02	0.99	1.02	0.93	1.02	1.52	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.77	1.52	1.23	1.52	1.15	1.52	1.09	1.52	1.77	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.02	2.03	1.40	2.03	1.31	2.03	1.24	2.03	2.02	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	2.54	1.58	2.54	1.48	2.54	1.40	2.54	2.28	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.53	3.05	1.75	3.05	1.64	3.05	1.56	3.05	2.53	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.78	3.55	1.93	3.55	1.81	3.55	1.71	3.55	2.78	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.03	4.06	2.10	4.06	1.97	4.06	1.87	4.06	3.03	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.90	0.22	0.63	0.22	0.59	0.22	0.56	0.22	0.90	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.08	0.45	0.75	0.45	0.70	0.45	0.67	0.45	1.08	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.26	0.67	0.88	0.67	0.82	0.67	0.78	0.67	1.26	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.44	0.90	1.00	0.90	0.94	0.90	0.89	0.90	1.44	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	1.12	1.13	1.12	1.06	1.12	1.00	1.12	1.63	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.81	1.35	1.25	1.35	1.17	1.35	1.11	1.35	1.81	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.99	1.57	1.38	1.57	1.29	1.57	1.22	1.57	1.99	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.17	1.79	1.50	1.79	1.41	1.79	1.33	1.79	2.17	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.26	0.22	0.88	0.22	0.82	0.22	0.78	0.22	1.26	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.52	0.45	1.05	0.45	0.99	0.45	0.93	0.45	1.52	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.77	0.67	1.23	0.67	1.15	0.67	1.09	0.67	1.77	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.02	0.90	1.40	0.90	1.31	0.90	1.24	0.90	2.02	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	1.12	1.58	1.12	1.48	1.12	1.40	1.12	2.28	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.53	1.35	1.75	1.35	1.64	1.35	1.56	1.35	2.53	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.78	1.57	1.93	1.57	1.81	1.57	1.71	1.57	2.78	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.03	1.79	2.10	1.79	1.97	1.79	1.87	1.79	3.03	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	1.72	0.51	1.19	0.51	1.11	0.51	1.06	0.51	1.72	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.08	1.02	1.44	1.02	1.35	1.02	1.28	1.02	2.08	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.44	1.52	1.69	1.52	1.58	1.52	1.50	1.52	2.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.80	2.03	1.94	2.03	1.82	2.03	1.72	2.03	2.80	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.16	2.54	2.19	2.54	2.05	2.54	1.94	2.54	3.16	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.52	3.05	2.44	3.05	2.29	3.05	2.17	3.05	3.52	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.88	3.55	2.69	3.55	2.52	3.55	2.39	3.55	3.88	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.24	4.06	2.94	4.06	2.76	4.06	2.61	4.06	4.24	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.40	0.51	1.66	0.51	1.56	0.51	1.48	0.51	2.40	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	2.91	1.02	2.01	1.02	1.89	1.02	1.79	1.02	2.91	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.41	1.52	2.36	1.52	2.22	1.52	2.10	1.52	3.41	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.92	2.03	2.71	2.03	2.55	2.03	2.41	2.03	3.92	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.42	2.54	3.06	2.54	2.88	2.54	2.72	2.54	4.42	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.93	3.05	3.41	3.05	3.20	3.05	3.03	3.05	4.93	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.43	3.55	3.76	3.55	3.53	3.55	3.34	3.55	5.43	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.94	4.06	4.11	4.06	3.86	4.06	3.66	4.06	5.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	1.72	0.22	1.19	0.22	1.11	0.22	1.06	0.22	1.72	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.08	0.45	1.44	0.45	1.35	0.45	1.28	0.45	2.08	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.44	0.67	1.69	0.67	1.58	0.67	1.50	0.67	2.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	0.90	1.94	0.90	1.82	0.90	1.72	0.90	2.80	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.16	1.12	2.19	1.12	2.05	1.12	1.94	1.12	3.16	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.52	1.35	2.44	1.35	2.29	1.35	2.17	1.35	3.52	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.88	1.57	2.69	1.57	2.52	1.57	2.39	1.57	3.88	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.24	1.79	2.94	1.79	2.76	1.79	2.61	1.79	4.24	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.40	0.22	1.66	0.22	1.56	0.22	1.48	0.22	2.40	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.91	0.45	2.01	0.45	1.89	0.45	1.79	0.45	2.91	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.41	0.67	2.36	0.67	2.22	0.67	2.10	0.67	3.41	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	0.90	2.71	0.90	2.55	0.90	2.41	0.90	3.92	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.42	1.12	3.06	1.12	2.88	1.12	2.72	1.12	4.42	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.93	1.35	3.41	1.35	3.20	1.35	3.03	1.35	4.93	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.43	1.57	3.76	1.57	3.53	1.57	3.34	1.57	5.43	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.94	1.79	4.11	1.79	3.86	1.79	3.66	1.79	5.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	0.99	0.77	0.69	0.77	0.65	0.77	0.61	0.77	0.99	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.17	1.53	0.81	1.53	0.76	1.53	0.72	1.53	1.17	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.35	2.30	0.94	2.30	0.88	2.30	0.83	2.30	1.35	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	3.06	1.06	3.06	1.00	3.06	0.94	3.06	1.53	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.72	3.83	1.19	3.83	1.11	3.83	1.06	3.83	1.72	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.90	4.60	1.31	4.60	1.23	4.60	1.17	4.60	1.90	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.08	5.36	1.44	5.36	1.35	5.36	1.28	5.36	2.08	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.26	6.13	1.56	6.13	1.47	6.13	1.39	6.13	2.26	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.39	0.77	0.96	0.77	0.90	0.77	0.86	0.77	1.39	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.64	1.53	1.14	1.53	1.07	1.53	1.01	1.53	1.64	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.90	2.30	1.31	2.30	1.23	2.30	1.17	2.30	1.90	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.15	3.06	1.49	3.06	1.40	3.06	1.32	3.06	2.15	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.40	3.83	1.66	3.83	1.56	3.83	1.48	3.83	2.40	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.65	4.60	1.84	4.60	1.73	4.60	1.63	4.60	2.65	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.91	5.36	2.01	5.36	1.89	5.36	1.79	5.36	2.91	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.16	6.13	2.19	6.13	2.05	6.13	1.94	6.13	3.16	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.99	0.33	0.69	0.33	0.65	0.33	0.61	0.33	0.99	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.65	0.81	0.65	0.76	0.65	0.72	0.65	1.17	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.35	0.98	0.94	0.98	0.88	0.98	0.83	0.98	1.35	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	1.30	1.06	1.30	1.00	1.30	0.94	1.30	1.53	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.72	1.63	1.19	1.63	1.11	1.63	1.06	1.63	1.72	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.90	1.95	1.31	1.95	1.23	1.95	1.17	1.95	1.90	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.08	2.28	1.44	2.28	1.35	2.28	1.28	2.28	2.08	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.26	2.60	1.56	2.60	1.47	2.60	1.39	2.60	2.26	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.39	0.33	0.96	0.33	0.90	0.33	0.86	0.33	1.39	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.65	1.14	0.65	1.07	0.65	1.01	0.65	1.64	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.90	0.98	1.31	0.98	1.23	0.98	1.17	0.98	1.90	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.15	1.30	1.49	1.30	1.40	1.30	1.32	1.30	2.15	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.40	1.63	1.66	1.63	1.56	1.63	1.48	1.63	2.40	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.65	1.95	1.84	1.95	1.73	1.95	1.63	1.95	2.65	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.91	2.28	2.01	2.28	1.89	2.28	1.79	2.28	2.91	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.16	2.60	2.19	2.60	2.05	2.60	1.94	2.60	3.16	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.17	1.53	1.50	1.53	1.41	1.53	1.33	1.53	2.17	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.53	2.30	1.75	2.30	1.64	2.30	1.56	2.30	2.53	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.89	3.06	2.00	3.06	1.88	3.06	1.78	3.06	2.89	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.25	3.83	2.25	3.83	2.11	3.83	2.00	3.83	3.25	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.61	4.60	2.50	4.60	2.35	4.60	2.22	4.60	3.61	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.97	5.36	2.75	5.36	2.58	5.36	2.44	5.36	3.97	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.33	6.13	3.00	6.13	2.82	6.13	2.67	6.13	4.33	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	2.53	0.77	1.75	0.77	1.64	0.77	1.56	0.77	2.53	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.03	1.53	2.10	1.53	1.97	1.53	1.87	1.53	3.03	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.54	2.30	2.45	2.30	2.30	2.30	2.18	2.30	3.54	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.04	3.06	2.80	3.06	2.63	3.06	2.49	3.06	4.04	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.55	3.83	3.15	3.83	2.96	3.83	2.80	3.83	4.55	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.06	4.60	3.50	4.60	3.29	4.60	3.11	4.60	5.06	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.56	5.36	3.85	5.36	3.61	5.36	3.42	5.36	5.56	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.07	6.13	4.20	6.13	3.94	6.13	3.73	6.13	6.07	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.17	0.65	1.50	0.65	1.41	0.65	1.33	0.65	2.17	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.53	0.98	1.75	0.98	1.64	0.98	1.56	0.98	2.53	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.89	1.30	2.00	1.30	1.88	1.30	1.78	1.30	2.89	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.25	1.63	2.25	1.63	2.11	1.63	2.00	1.63	3.25	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.61	1.95	2.50	1.95	2.35	1.95	2.22	1.95	3.61	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.97	2.28	2.75	2.28	2.58	2.28	2.44	2.28	3.97	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.33	2.60	3.00	2.60	2.82	2.60	2.67	2.60	4.33	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.53	0.33	1.75	0.33	1.64	0.33	1.56	0.33	2.53	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.03	0.65	2.10	0.65	1.97	0.65	1.87	0.65	3.03	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.54	0.98	2.45	0.98	2.30	0.98	2.18	0.98	3.54	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.04	1.30	2.80	1.30	2.63	1.30	2.49	1.30	4.04	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.55	1.63	3.15	1.63	2.96	1.63	2.80	1.63	4.55	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.06	1.95	3.50	1.95	3.29	1.95	3.11	1.95	5.06	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.56	2.28	3.85	2.28	3.61	2.28	3.42	2.28	5.56	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.07	2.60	4.20	2.60	3.94	2.60	3.73	2.60	6.07	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Duplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Triplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Quadplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Sixplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Eightplex Outlet	2.01	4.17	1.39	4.17	1.30	4.17	1.23	4.17		2.01	4.17
1	Modular Faceplate Tenplex Outlet	4.01	4.17	2.78	4.17	2.61	4.17	2.47	4.17	*1	4.01	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31	*2	4.07	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31		4.07	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31		4.07	2.31
1	Surface Mount Box (2 Outlet)	8.08	3.06	5.59	3.06	5.25	3.06	4.97	3.06		8.08	3.06
1	Surface Mount Box (4 Outlet)	8.08	3.63	5.59	3.63	5.25	3.63	4.97	3.63		8.08	3.63
1	Surface Mount Box (6 Outlet)	8.08	8.96	5.59	8.96	5.25	8.96	4.97	8.96		8.08	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	8.08	4.89	5.59	4.89	5.25	4.89	4.97	4.89		8.08	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	8.08	8.72	5.59	8.72	5.25	8.72	4.97	8.72		8.08	8.72
1	Floor Monument Single Duplex Opening	5.04	40.96	3.49	40.96	3.28	40.96	3.10	40.96		5.04	40.96
1	Floor Monument Double Duplex Opening	5.04	47.23	3.49	47.23	3.28	47.23	3.10	47.23		5.04	47.23
1	Wall Mount Faceplate 630b	10.15	16.29	7.02	16.29	6.59	16.29	6.24	16.29		10.15	16.29
1	110 Type Wiring Block 25 Pair	34.45	6.43	23.85	6.43	22.39	6.43	21.20	6.43		34.45	6.43
1	110 Type Wiring Block 50 Pair	58.75	7.69	40.67	7.69	38.18	7.69	36.15	7.69		58.75	7.69
1	110 Type Wiring Block 100 Pair	112.39	13.29	77.81	13.29	73.05	13.29	69.16	13.29		112.39	13.29
1	110 Type Wiring Block 300 Pair	311.83	31.35	215.88	31.35	202.68	31.35	191.90	31.35		311.83	31.35
1	110 Type Connecting Block - 3 Pair	2.01	0.56	1.39	0.56	1.30	0.56	1.23	0.56		2.01	0.56
1	110 Type Connecting Block - 4 Pair	2.01	0.74	1.39	0.74	1.30	0.74	1.23	0.74		2.01	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	5

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.01	0.81	1.39	0.81	1.30	0.81	1.23	0.81		2.01	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	58.75	15.93	40.67	15.93	38.18	15.93	36.15	15.93		58.75	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	112.39	15.93	77.81	15.93	73.05	15.93	69.16	15.93		112.39	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	311.83	37.49	215.88	37.49	202.68	37.49	191.90	37.49		311.83	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	62.76	133.88	43.45	133.88	40.79	133.88	38.62	133.88		62.76	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	62.76	207.90	43.45	207.90	40.79	207.90	38.62	207.90		62.76	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	62.76	415.80	43.45	415.80	40.79	415.80	38.62	415.80		62.76	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	62.76	274.74	43.45	274.74	40.79	274.74	38.62	274.74		62.76	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	93.13	491.40	64.47	491.40	60.53	491.40	57.31	491.40	*4	93.13	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	93.13	632.97	64.47	632.97	60.53	632.97	57.31	632.97		93.13	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	123.51	822.96	85.50	822.96	80.27	822.96	76.00	822.96		123.51	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	218.70	175.14	151.41	175.14	142.15	175.14	134.58	175.14		218.70	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	388.80	350.28	269.17	350.28	252.71	350.28	239.26	350.28		388.80	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	194.40	700.56	134.58	700.56	126.35	700.56	119.63	700.56		194.40	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	218.70	308.70	151.41	308.70	142.15	308.70	134.58	308.70		218.70	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	388.80	580.86	269.17	580.86	252.71	580.86	239.26	580.86		388.80	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	194.40	1161.72	134.58	1161.72	126.35	1161.72	119.63	1161.72		194.40	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	267.30	370.57	185.05	370.57	173.74	370.57	164.49	370.57		267.30	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	534.60	741.20	370.11	741.20	347.47	741.20	328.98	741.20		534.60	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	194.40	1482.39	134.58	1482.39	126.35	1482.39	119.63	1482.39		194.40	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	10.15	69.30	7.02	69.30	6.59	69.30	6.24	69.30		10.15	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	9.11	0.00	6.31	0.00	5.92	0.00	5.61	0.00		9.11	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	9.11	0.00	6.31	0.00	5.92	0.00	5.61	0.00		9.11	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	11.12	0.00	7.70	0.00	7.23	0.00	6.84	0.00		11.12	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.17	0.51	0.81	0.51	0.76	0.51	0.72	0.51	1.17	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.02	0.98	1.02	0.92	1.02	0.87	1.02	1.41	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.64	1.52	1.14	1.52	1.07	1.52	1.01	1.52	1.64	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.88	2.03	1.30	2.03	1.22	2.03	1.16	2.03	1.88	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.11	2.54	1.46	2.54	1.37	2.54	1.30	2.54	2.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.35	3.05	1.63	3.05	1.53	3.05	1.44	3.05	2.35	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.58	3.55	1.79	3.55	1.68	3.55	1.59	3.55	2.58	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.82	4.06	1.95	4.06	1.83	4.06	1.73	4.06	2.82	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.51	1.14	0.51	1.07	0.51	1.01	0.51	1.64	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.02	1.37	1.02	1.28	1.02	1.21	1.02	1.97	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.30	1.52	1.59	1.52	1.50	1.52	1.42	1.52	2.30	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.63	2.03	1.82	2.03	1.71	2.03	1.62	2.03	2.63	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.96	2.54	2.05	2.54	1.92	2.54	1.82	2.54	2.96	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.29	3.05	2.28	3.05	2.14	3.05	2.02	3.05	3.29	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.61	3.55	2.50	3.55	2.35	3.55	2.22	3.55	3.61	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.94	4.06	2.73	4.06	2.56	4.06	2.43	4.06	3.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.22	0.81	0.22	0.76	0.22	0.72	0.22	1.17	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.45	0.98	0.45	0.92	0.45	0.87	0.45	1.41	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.64	0.67	1.14	0.67	1.07	0.67	1.01	0.67	1.64	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.88	0.90	1.30	0.90	1.22	0.90	1.16	0.90	1.88	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.11	1.12	1.46	1.12	1.37	1.12	1.30	1.12	2.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.35	1.35	1.63	1.35	1.53	1.35	1.44	1.35	2.35	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.58	1.57	1.79	1.57	1.68	1.57	1.59	1.57	2.58	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.82	1.79	1.95	1.79	1.83	1.79	1.73	1.79	2.82	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.22	1.14	0.22	1.07	0.22	1.01	0.22	1.64	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.45	1.37	0.45	1.28	0.45	1.21	0.45	1.97	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.30	0.67	1.59	0.67	1.50	0.67	1.42	0.67	2.30	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.63	0.90	1.82	0.90	1.71	0.90	1.62	0.90	2.63	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.96	1.12	2.05	1.12	1.92	1.12	1.82	1.12	2.96	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.29	1.35	2.28	1.35	2.14	1.35	2.02	1.35	3.29	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.61	1.57	2.50	1.57	2.35	1.57	2.22	1.57	3.61	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.94	1.79	2.73	1.79	2.56	1.79	2.43	1.79	3.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.23	0.51	1.54	0.51	1.45	0.51	1.37	0.51	2.23	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.70	1.02	1.87	1.02	1.75	1.02	1.66	1.02	2.70	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.17	1.52	2.19	1.52	2.06	1.52	1.95	1.52	3.17	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.64	2.03	2.52	2.03	2.36	2.03	2.24	2.03	3.64	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.11	2.54	2.84	2.54	2.67	2.54	2.53	2.54	4.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.58	3.05	3.17	3.05	2.98	3.05	2.82	3.05	4.58	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.05	3.55	3.49	3.55	3.28	3.55	3.11	3.55	5.05	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.52	4.06	3.82	4.06	3.59	4.06	3.39	4.06	5.52	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.12	0.51	2.16	0.51	2.03	0.51	1.92	0.51	3.12	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.78	1.02	2.62	1.02	2.46	1.02	2.33	1.02	3.78	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.44	1.52	3.07	1.52	2.88	1.52	2.73	1.52	4.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.09	2.03	3.53	2.03	3.31	2.03	3.13	2.03	5.09	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.75	2.54	3.98	2.54	3.74	2.54	3.54	2.54	5.75	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.41	3.05	4.44	3.05	4.17	3.05	3.94	3.05	6.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.07	3.55	4.89	3.55	4.59	3.55	4.35	3.55	7.07	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.72	4.06	5.35	4.06	5.02	4.06	4.75	4.06	7.72	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.23	0.22	1.54	0.22	1.45	0.22	1.37	0.22	2.23	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	0.45	1.87	0.45	1.75	0.45	1.66	0.45	2.70	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.17	0.67	2.19	0.67	2.06	0.67	1.95	0.67	3.17	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.64	0.90	2.52	0.90	2.36	0.90	2.24	0.90	3.64	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.11	1.12	2.84	1.12	2.67	1.12	2.53	1.12	4.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.58	1.35	3.17	1.35	2.98	1.35	2.82	1.35	4.58	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.05	1.57	3.49	1.57	3.28	1.57	3.11	1.57	5.05	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.52	1.79	3.82	1.79	3.59	1.79	3.39	1.79	5.52	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.12	0.22	2.16	0.22	2.03	0.22	1.92	0.22	3.12	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	0.45	2.62	0.45	2.46	0.45	2.33	0.45	3.78	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.44	0.67	3.07	0.67	2.88	0.67	2.73	0.67	4.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.09	0.90	3.53	0.90	3.31	0.90	3.13	0.90	5.09	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.75	1.12	3.98	1.12	3.74	1.12	3.54	1.12	5.75	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.41	1.35	4.44	1.35	4.17	1.35	3.94	1.35	6.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.07	1.57	4.89	1.57	4.59	1.57	4.35	1.57	7.07	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.72	1.79	5.35	1.79	5.02	1.79	4.75	1.79	7.72	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.29	0.77	0.89	0.77	0.84	0.77	0.79	0.77	1.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.53	1.06	1.53	0.99	1.53	0.94	1.53	1.53	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	2.30	1.22	2.30	1.14	2.30	1.08	2.30	1.76	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	3.06	1.38	3.06	1.30	3.06	1.23	3.06	2.00	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	3.83	1.54	3.83	1.45	3.83	1.37	3.83	2.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	4.60	1.71	4.60	1.60	4.60	1.52	4.60	2.46	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	5.36	1.87	5.36	1.75	5.36	1.66	5.36	2.70	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	6.13	2.03	6.13	1.91	6.13	1.81	6.13	2.93	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	1.53	1.48	1.53	1.39	1.53	1.31	1.53	2.14	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	2.30	1.71	2.30	1.60	2.30	1.52	2.30	2.46	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	3.06	1.93	3.06	1.82	3.06	1.72	3.06	2.79	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	3.83	2.16	3.83	2.03	3.83	1.92	3.83	3.12	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	4.60	2.39	4.60	2.24	4.60	2.12	4.60	3.45	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	5.36	2.62	5.36	2.46	5.36	2.33	5.36	3.78	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.11	6.13	2.84	6.13	2.67	6.13	2.53	6.13	4.11	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.33	0.89	0.33	0.84	0.33	0.79	0.33	1.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.65	1.06	0.65	0.99	0.65	0.94	0.65	1.53	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.98	1.22	0.98	1.14	0.98	1.08	0.98	1.76	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	1.30	1.38	1.30	1.30	1.30	1.23	1.30	2.00	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.63	1.54	1.63	1.45	1.63	1.37	1.63	2.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.95	1.71	1.95	1.60	1.95	1.52	1.95	2.46	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	2.28	1.87	2.28	1.75	2.28	1.66	2.28	2.70	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	2.60	2.03	2.60	1.91	2.60	1.81	2.60	2.93	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.65	1.48	0.65	1.39	0.65	1.31	0.65	2.14	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.98	1.71	0.98	1.60	0.98	1.52	0.98	2.46	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	1.30	1.93	1.30	1.82	1.30	1.72	1.30	2.79	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.63	2.16	1.63	2.03	1.63	1.92	1.63	3.12	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.95	2.39	1.95	2.24	1.95	2.12	1.95	3.45	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	2.28	2.62	2.28	2.46	2.28	2.33	2.28	3.78	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.11	2.60	2.84	2.60	2.67	2.60	2.53	2.60	4.11	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.35	0.77	1.63	0.77	1.53	0.77	1.44	0.77	2.35	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.82	1.53	1.95	1.53	1.83	1.53	1.73	1.53	2.82	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.29	2.30	2.28	2.30	2.14	2.30	2.02	2.30	3.29	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.76	3.06	2.60	3.06	2.44	3.06	2.31	3.06	3.76	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.23	3.83	2.93	3.83	2.75	3.83	2.60	3.83	4.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.69	4.60	3.25	4.60	3.05	4.60	2.89	4.60	4.69	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.16	5.36	3.58	5.36	3.36	5.36	3.18	5.36	5.16	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.63	6.13	3.90	6.13	3.66	6.13	3.47	6.13	5.63	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.29	0.77	2.28	0.77	2.14	0.77	2.02	0.77	3.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.94	1.53	2.73	1.53	2.56	1.53	2.43	1.53	3.94	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.60	2.30	3.19	2.30	2.99	2.30	2.83	2.30	4.60	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.26	3.06	3.64	3.06	3.42	3.06	3.24	3.06	5.26	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.83	4.10	3.83	3.84	3.83	3.64	3.83	5.92	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.57	4.60	4.55	4.60	4.27	4.60	4.04	4.60	6.57	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.23	5.36	5.01	5.36	4.70	5.36	4.45	5.36	7.23	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.89	6.13	5.46	6.13	5.13	6.13	4.85	6.13	7.89	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.35	0.33	1.63	0.33	1.53	0.33	1.44	0.33	2.35	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.82	0.65	1.95	0.65	1.83	0.65	1.73	0.65	2.82	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.98	2.28	0.98	2.14	0.98	2.02	0.98	3.29	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.76	1.30	2.60	1.30	2.44	1.30	2.31	1.30	3.76	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.63	2.93	1.63	2.75	1.63	2.60	1.63	4.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.69	1.95	3.25	1.95	3.05	1.95	2.89	1.95	4.69	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.16	2.28	3.58	2.28	3.36	2.28	3.18	2.28	5.16	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.63	2.60	3.90	2.60	3.66	2.60	3.47	2.60	5.63	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.29	0.33	2.28	0.33	2.14	0.33	2.02	0.33	3.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.94	0.65	2.73	0.65	2.56	0.65	2.43	0.65	3.94	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.60	0.98	3.19	0.98	2.99	0.98	2.83	0.98	4.60	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.26	1.30	3.64	1.30	3.42	1.30	3.24	1.30	5.26	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.63	4.10	1.63	3.84	1.63	3.64	1.63	5.92	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.57	1.95	4.55	1.95	4.27	1.95	4.04	1.95	6.57	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.23	2.28	5.01	2.28	4.70	2.28	4.45	2.28	7.23	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.89	2.60	5.46	2.60	5.13	2.60	4.85	2.60	7.89	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Duplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Triplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Quadplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Sixplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Eightplex Outlet	2.61	4.17	1.80	4.17	1.69	4.17	1.60	4.17		2.61	4.17
1	Modular Faceplate Tenplex Outlet	5.21	4.17	3.61	4.17	3.39	4.17	3.21	4.17	*1	5.21	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31	*2	5.29	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Surface Mount Box (2 Outlet)	10.50	3.06	7.27	3.06	6.83	3.06	6.46	3.06		10.50	3.06
1	Surface Mount Box (4 Outlet)	10.50	3.63	7.27	3.63	6.83	3.63	6.46	3.63		10.50	3.63
1	Surface Mount Box (6 Outlet)	10.50	8.96	7.27	8.96	6.83	8.96	6.46	8.96		10.50	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.50	4.89	7.27	4.89	6.83	4.89	6.46	4.89		10.50	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.50	8.72	7.27	8.72	6.83	8.72	6.46	8.72		10.50	8.72
1	Floor Monument Single Duplex Opening	6.56	40.96	4.54	40.96	4.26	40.96	4.03	40.96		6.56	40.96
1	Floor Monument Double Duplex Opening	6.56	47.23	4.54	47.23	4.26	47.23	4.03	47.23		6.56	47.23
1	Wall Mount Faceplate 630b	13.19	16.29	9.13	16.29	8.57	16.29	8.12	16.29		13.19	16.29
1	110 Type Wiring Block 25 Pair	44.78	6.43	31.00	6.43	29.11	6.43	27.56	6.43		44.78	6.43
1	110 Type Wiring Block 50 Pair	76.37	7.69	52.87	7.69	49.64	7.69	46.99	7.69		76.37	7.69
1	110 Type Wiring Block 100 Pair	146.10	13.29	101.15	13.29	94.97	13.29	89.91	13.29		146.10	13.29
1	110 Type Wiring Block 300 Pair	405.38	31.35	280.65	31.35	263.50	31.35	249.45	31.35		405.38	31.35
1	110 Type Connecting Block - 3 Pair	2.61	0.56	1.80	0.56	1.69	0.56	1.60	0.56		2.61	0.56
1	110 Type Connecting Block - 4 Pair	2.61	0.74	1.80	0.74	1.69	0.74	1.60	0.74		2.61	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	6

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.61	0.81	1.80	0.81	1.69	0.81	1.60	0.81		2.61	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	76.37	15.93	52.87	15.93	49.64	15.93	46.99	15.93		76.37	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	146.10	15.93	101.15	15.93	94.97	15.93	89.91	15.93		146.10	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	405.38	37.49	280.65	37.49	263.50	37.49	249.45	37.49		405.38	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	81.58	133.88	56.48	133.88	53.03	133.88	50.20	133.88		81.58	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	81.58	207.90	56.48	207.90	53.03	207.90	50.20	207.90		81.58	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	81.58	415.80	56.48	415.80	53.03	415.80	50.20	415.80		81.58	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	81.58	274.74	56.48	274.74	53.03	274.74	50.20	274.74		81.58	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	121.07	491.40	83.82	491.40	78.70	491.40	74.50	491.40	*4	121.07	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	121.07	632.97	83.82	632.97	78.70	632.97	74.50	632.97		121.07	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	160.56	822.96	111.16	822.96	104.36	822.96	98.80	822.96		160.56	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	284.31	175.14	196.83	175.14	184.80	175.14	174.95	175.14		284.31	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	505.44	350.28	349.93	350.28	328.54	350.28	311.03	350.28		505.44	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	252.72	700.56	174.96	700.56	164.27	700.56	155.51	700.56		252.72	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	284.31	308.70	196.83	308.70	184.80	308.70	174.95	308.70		284.31	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	505.44	580.86	349.93	580.86	328.54	580.86	311.03	580.86		505.44	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	252.72	1161.72	174.96	1161.72	164.27	1161.72	155.51	1161.72		252.72	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	347.49	370.57	240.58	370.57	225.87	370.57	213.83	370.57		347.49	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	694.98	741.20	481.15	741.20	451.74	741.20	427.66	741.20		694.98	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	252.72	1482.39	174.96	1482.39	164.27	1482.39	155.51	1482.39		252.72	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.19	69.30	9.13	69.30	8.57	69.30	8.12	69.30		13.19	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	14.45	0.00	10.01	0.00	9.39	0.00	8.89	0.00		14.45	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.10	0.32	0.76	0.32	0.71	0.32	0.68	0.32	1.10	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.34	0.64	0.93	0.64	0.87	0.64	0.83	0.64	1.34	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.58	0.95	1.10	0.95	1.03	0.95	0.98	0.95	1.58	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.83	1.27	1.27	1.27	1.19	1.27	1.13	1.27	1.83	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.07	1.59	1.43	1.59	1.35	1.59	1.28	1.59	2.07	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.32	1.91	1.60	1.91	1.51	1.91	1.43	1.91	2.32	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.56	2.22	1.77	2.22	1.66	2.22	1.58	2.22	2.56	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.80	2.54	1.94	2.54	1.82	2.54	1.73	2.54	2.80	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.54	0.32	1.06	0.32	1.00	0.32	0.95	0.32	1.54	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.88	0.64	1.30	0.64	1.22	0.64	1.16	0.64	1.88	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.22	0.95	1.54	0.95	1.44	0.95	1.37	0.95	2.22	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.56	1.27	1.77	1.27	1.66	1.27	1.58	1.27	2.56	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.90	1.59	2.01	1.59	1.89	1.59	1.79	1.59	2.90	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.24	1.91	2.24	1.91	2.11	1.91	2.00	1.91	3.24	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.58	2.22	2.48	2.22	2.33	2.22	2.21	2.22	3.58	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.92	2.54	2.72	2.54	2.55	2.54	2.42	2.54	3.92	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.10	0.18	0.76	0.18	0.71	0.18	0.68	0.18	1.10	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.34	0.35	0.93	0.35	0.87	0.35	0.83	0.35	1.34	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.58	0.53	1.10	0.53	1.03	0.53	0.98	0.53	1.58	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.83	0.70	1.27	0.70	1.19	0.70	1.13	0.70	1.83	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.07	0.88	1.43	0.88	1.35	0.88	1.28	0.88	2.07	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.32	1.05	1.60	1.05	1.51	1.05	1.43	1.05	2.32	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.56	1.23	1.77	1.23	1.66	1.23	1.58	1.23	2.56	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.80	1.40	1.94	1.40	1.82	1.40	1.73	1.40	2.80	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.54	0.18	1.06	0.18	1.00	0.18	0.95	0.18	1.54	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.88	0.35	1.30	0.35	1.22	0.35	1.16	0.35	1.88	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.22	0.53	1.54	0.53	1.44	0.53	1.37	0.53	2.22	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.56	0.70	1.77	0.70	1.66	0.70	1.58	0.70	2.56	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.90	0.88	2.01	0.88	1.89	0.88	1.79	0.88	2.90	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.24	1.05	2.24	1.05	2.11	1.05	2.00	1.05	3.24	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.58	1.23	2.48	1.23	2.33	1.23	2.21	1.23	3.58	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.92	1.40	2.72	1.40	2.55	1.40	2.42	1.40	3.92	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.10	0.32	0.76	0.32	0.71	0.32	0.68	0.32	1.10	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.34	0.64	0.93	0.64	0.87	0.64	0.83	0.64	1.34	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.58	0.95	1.10	0.95	1.03	0.95	0.98	0.95	1.58	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.83	1.27	1.27	1.27	1.19	1.27	1.13	1.27	1.83	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.07	1.59	1.43	1.59	1.35	1.59	1.28	1.59	2.07	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.32	1.91	1.60	1.91	1.51	1.91	1.43	1.91	2.32	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.56	2.22	1.77	2.22	1.66	2.22	1.58	2.22	2.56	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.80	2.54	1.94	2.54	1.82	2.54	1.73	2.54	2.80	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.54	0.32	1.06	0.32	1.00	0.32	0.95	0.32	1.54	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.88	0.64	1.30	0.64	1.22	0.64	1.16	0.64	1.88	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.22	0.95	1.54	0.95	1.44	0.95	1.37	0.95	2.22	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.56	1.27	1.77	1.27	1.66	1.27	1.58	1.27	2.56	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.90	1.59	2.01	1.59	1.89	1.59	1.79	1.59	2.90	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.24	1.91	2.24	1.91	2.11	1.91	2.00	1.91	3.24	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.58	2.22	2.48	2.22	2.33	2.22	2.21	2.22	3.58	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.92	2.54	2.72	2.54	2.55	2.54	2.42	2.54	3.92	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.10	0.18	0.76	0.18	0.71	0.18	0.68	0.18	1.10	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.34	0.35	0.93	0.35	0.87	0.35	0.83	0.35	1.34	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.58	0.53	1.10	0.53	1.03	0.53	0.98	0.53	1.58	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.83	0.70	1.27	0.70	1.19	0.70	1.13	0.70	1.83	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.07	0.88	1.43	0.88	1.35	0.88	1.28	0.88	2.07	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.32	1.05	1.60	1.05	1.51	1.05	1.43	1.05	2.32	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.56	1.23	1.77	1.23	1.66	1.23	1.58	1.23	2.56	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	1.40	1.94	1.40	1.82	1.40	1.73	1.40	2.80	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.54	0.18	1.06	0.18	1.00	0.18	0.95	0.18	1.54	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.88	0.35	1.30	0.35	1.22	0.35	1.16	0.35	1.88	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.22	0.53	1.54	0.53	1.44	0.53	1.37	0.53	2.22	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.56	0.70	1.77	0.70	1.66	0.70	1.58	0.70	2.56	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.90	0.88	2.01	0.88	1.89	0.88	1.79	0.88	2.90	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.24	1.05	2.24	1.05	2.11	1.05	2.00	1.05	3.24	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.58	1.23	2.48	1.23	2.33	1.23	2.21	1.23	3.58	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	1.40	2.72	1.40	2.55	1.40	2.42	1.40	3.92	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.22	0.51	0.84	0.51	0.79	0.51	0.75	0.51	1.22	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.46	1.02	1.01	1.02	0.95	1.02	0.90	1.02	1.46	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.71	1.52	1.18	1.52	1.11	1.52	1.05	1.52	1.71	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.95	2.03	1.35	2.03	1.27	2.03	1.20	2.03	1.95	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.19	2.54	1.52	2.54	1.43	2.54	1.35	2.54	2.19	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.44	3.05	1.69	3.05	1.58	3.05	1.50	3.05	2.44	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.68	3.55	1.86	3.55	1.74	3.55	1.65	3.55	2.68	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	4.06	2.03	4.06	1.90	4.06	1.80	4.06	2.93	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.71	0.51	1.18	0.51	1.11	0.51	1.05	0.51	1.71	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.05	1.02	1.42	1.02	1.33	1.02	1.26	1.02	2.05	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.39	1.52	1.65	1.52	1.55	1.52	1.47	1.52	2.39	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.73	2.03	1.89	2.03	1.77	2.03	1.68	2.03	2.73	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.07	2.54	2.13	2.54	2.00	2.54	1.89	2.54	3.07	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.41	3.05	2.36	3.05	2.22	3.05	2.10	3.05	3.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.75	3.55	2.60	3.55	2.44	3.55	2.31	3.55	3.75	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.10	4.06	2.84	4.06	2.66	4.06	2.52	4.06	4.10	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.22	0.22	0.84	0.22	0.79	0.22	0.75	0.22	1.22	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.46	0.45	1.01	0.45	0.95	0.45	0.90	0.45	1.46	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.71	0.67	1.18	0.67	1.11	0.67	1.05	0.67	1.71	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.95	0.90	1.35	0.90	1.27	0.90	1.20	0.90	1.95	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.19	1.12	1.52	1.12	1.43	1.12	1.35	1.12	2.19	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.44	1.35	1.69	1.35	1.58	1.35	1.50	1.35	2.44	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.68	1.57	1.86	1.57	1.74	1.57	1.65	1.57	2.68	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	1.79	2.03	1.79	1.90	1.79	1.80	1.79	2.93	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.71	0.22	1.18	0.22	1.11	0.22	1.05	0.22	1.71	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.05	0.45	1.42	0.45	1.33	0.45	1.26	0.45	2.05	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.39	0.67	1.65	0.67	1.55	0.67	1.47	0.67	2.39	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.73	0.90	1.89	0.90	1.77	0.90	1.68	0.90	2.73	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.07	1.12	2.13	1.12	2.00	1.12	1.89	1.12	3.07	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.41	1.35	2.36	1.35	2.22	1.35	2.10	1.35	3.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.75	1.57	2.60	1.57	2.44	1.57	2.31	1.57	3.75	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.10	1.79	2.84	1.79	2.66	1.79	2.52	1.79	4.10	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.32	0.51	1.60	0.51	1.51	0.51	1.43	0.51	2.32	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.80	1.02	1.94	1.02	1.82	1.02	1.73	1.02	2.80	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.29	1.52	2.28	1.52	2.14	1.52	2.03	1.52	3.29	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.78	2.03	2.62	2.03	2.46	2.03	2.33	2.03	3.78	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.27	2.54	2.95	2.54	2.77	2.54	2.63	2.54	4.27	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.75	3.05	3.29	3.05	3.09	3.05	2.93	3.05	4.75	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.24	3.55	3.63	3.55	3.41	3.55	3.23	3.55	5.24	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.73	4.06	3.97	4.06	3.72	4.06	3.53	4.06	5.73	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.24	0.51	2.24	0.51	2.11	0.51	2.00	0.51	3.24	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.92	1.02	2.72	1.02	2.55	1.02	2.42	1.02	3.92	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.61	1.52	3.19	1.52	2.99	1.52	2.84	1.52	4.61	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.29	2.03	3.66	2.03	3.44	2.03	3.26	2.03	5.29	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.97	2.54	4.13	2.54	3.88	2.54	3.68	2.54	5.97	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.65	3.05	4.61	3.05	4.33	3.05	4.10	3.05	6.65	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.34	3.55	5.08	3.55	4.77	3.55	4.52	3.55	7.34	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	8.02	4.06	5.55	4.06	5.21	4.06	4.94	4.06	8.02	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.32	0.22	1.60	0.22	1.51	0.22	1.43	0.22	2.32	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	0.45	1.94	0.45	1.82	0.45	1.73	0.45	2.80	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.67	2.28	0.67	2.14	0.67	2.03	0.67	3.29	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.78	0.90	2.62	0.90	2.46	0.90	2.33	0.90	3.78	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.27	1.12	2.95	1.12	2.77	1.12	2.63	1.12	4.27	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.75	1.35	3.29	1.35	3.09	1.35	2.93	1.35	4.75	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.24	1.57	3.63	1.57	3.41	1.57	3.23	1.57	5.24	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.73	1.79	3.97	1.79	3.72	1.79	3.53	1.79	5.73	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.24	0.22	2.24	0.22	2.11	0.22	2.00	0.22	3.24	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	0.45	2.72	0.45	2.55	0.45	2.42	0.45	3.92	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.61	0.67	3.19	0.67	2.99	0.67	2.84	0.67	4.61	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.29	0.90	3.66	0.90	3.44	0.90	3.26	0.90	5.29	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.97	1.12	4.13	1.12	3.88	1.12	3.68	1.12	5.97	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.65	1.35	4.61	1.35	4.33	1.35	4.10	1.35	6.65	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.34	1.57	5.08	1.57	4.77	1.57	4.52	1.57	7.34	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	8.02	1.79	5.55	1.79	5.21	1.79	4.94	1.79	8.02	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.34	0.77	0.93	0.77	0.87	0.77	0.83	0.77	1.34	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.58	1.53	1.10	1.53	1.03	1.53	0.98	1.53	1.58	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.83	2.30	1.27	2.30	1.19	2.30	1.13	2.30	1.83	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.07	3.06	1.43	3.06	1.35	3.06	1.28	3.06	2.07	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.32	3.83	1.60	3.83	1.51	3.83	1.43	3.83	2.32	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.56	4.60	1.77	4.60	1.66	4.60	1.58	4.60	2.56	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.80	5.36	1.94	5.36	1.82	5.36	1.73	5.36	2.80	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	3.05	6.13	2.11	6.13	1.98	6.13	1.88	6.13	3.05	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.88	0.77	1.30	0.77	1.22	0.77	1.16	0.77	1.88	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.22	1.53	1.54	1.53	1.44	1.53	1.37	1.53	2.22	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.56	2.30	1.77	2.30	1.66	2.30	1.58	2.30	2.56	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.90	3.06	2.01	3.06	1.89	3.06	1.79	3.06	2.90	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.24	3.83	2.24	3.83	2.11	3.83	2.00	3.83	3.24	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.58	4.60	2.48	4.60	2.33	4.60	2.21	4.60	3.58	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.92	5.36	2.72	5.36	2.55	5.36	2.42	5.36	3.92	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.27	6.13	2.95	6.13	2.77	6.13	2.63	6.13	4.27	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.34	0.33	0.93	0.33	0.87	0.33	0.83	0.33	1.34	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.58	0.65	1.10	0.65	1.03	0.65	0.98	0.65	1.58	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.83	0.98	1.27	0.98	1.19	0.98	1.13	0.98	1.83	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.07	1.30	1.43	1.30	1.35	1.30	1.28	1.30	2.07	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.32	1.63	1.60	1.63	1.51	1.63	1.43	1.63	2.32	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.56	1.95	1.77	1.95	1.66	1.95	1.58	1.95	2.56	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.80	2.28	1.94	2.28	1.82	2.28	1.73	2.28	2.80	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	3.05	2.60	2.11	2.60	1.98	2.60	1.88	2.60	3.05	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.88	0.33	1.30	0.33	1.22	0.33	1.16	0.33	1.88	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.22	0.65	1.54	0.65	1.44	0.65	1.37	0.65	2.22	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.56	0.98	1.77	0.98	1.66	0.98	1.58	0.98	2.56	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.90	1.30	2.01	1.30	1.89	1.30	1.79	1.30	2.90	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.24	1.63	2.24	1.63	2.11	1.63	2.00	1.63	3.24	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.58	1.95	2.48	1.95	2.33	1.95	2.21	1.95	3.58	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.92	2.28	2.72	2.28	2.55	2.28	2.42	2.28	3.92	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.27	2.60	2.95	2.60	2.77	2.60	2.63	2.60	4.27	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.44	0.77	1.69	0.77	1.58	0.77	1.50	0.77	2.44	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.93	1.53	2.03	1.53	1.90	1.53	1.80	1.53	2.93	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.41	2.30	2.36	2.30	2.22	2.30	2.10	2.30	3.41	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.90	3.06	2.70	3.06	2.54	3.06	2.40	3.06	3.90	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.39	3.83	3.04	3.83	2.85	3.83	2.70	3.83	4.39	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.88	4.60	3.38	4.60	3.17	4.60	3.00	4.60	4.88	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.36	5.36	3.71	5.36	3.49	5.36	3.30	5.36	5.36	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.85	6.13	4.05	6.13	3.80	6.13	3.60	6.13	5.85	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.41	0.77	2.36	0.77	2.22	0.77	2.10	0.77	3.41	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.10	1.53	2.84	1.53	2.66	1.53	2.52	1.53	4.10	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.78	2.30	3.31	2.30	3.11	2.30	2.94	2.30	4.78	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.46	3.06	3.78	3.06	3.55	3.06	3.36	3.06	5.46	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.14	3.83	4.25	3.83	3.99	3.83	3.78	3.83	6.14	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.83	4.60	4.73	4.60	4.44	4.60	4.20	4.60	6.83	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.51	5.36	5.20	5.36	4.88	5.36	4.62	5.36	7.51	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	8.19	6.13	5.67	6.13	5.32	6.13	5.04	6.13	8.19	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.44	0.33	1.69	0.33	1.58	0.33	1.50	0.33	2.44	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.93	0.65	2.03	0.65	1.90	0.65	1.80	0.65	2.93	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.41	0.98	2.36	0.98	2.22	0.98	2.10	0.98	3.41	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.90	1.30	2.70	1.30	2.54	1.30	2.40	1.30	3.90	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.39	1.63	3.04	1.63	2.85	1.63	2.70	1.63	4.39	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.88	1.95	3.38	1.95	3.17	1.95	3.00	1.95	4.88	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.36	2.28	3.71	2.28	3.49	2.28	3.30	2.28	5.36	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.85	2.60	4.05	2.60	3.80	2.60	3.60	2.60	5.85	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.41	0.33	2.36	0.33	2.22	0.33	2.10	0.33	3.41	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.10	0.65	2.84	0.65	2.66	0.65	2.52	0.65	4.10	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.78	0.98	3.31	0.98	3.11	0.98	2.94	0.98	4.78	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.46	1.30	3.78	1.30	3.55	1.30	3.36	1.30	5.46	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.14	1.63	4.25	1.63	3.99	1.63	3.78	1.63	6.14	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.83	1.95	4.73	1.95	4.44	1.95	4.20	1.95	6.83	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.51	2.28	5.20	2.28	4.88	2.28	4.62	2.28	7.51	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	8.19	2.60	5.67	2.60	5.32	2.60	5.04	2.60	8.19	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Duplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Triplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Quadplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Sixplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Eightplex Outlet	2.71	4.17	1.87	4.17	1.76	4.17	1.67	4.17		2.71	4.17
1	Modular Faceplate Tenplex Outlet	5.41	4.17	3.75	4.17	3.52	4.17	3.33	4.17	*1	5.41	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31	*2	5.50	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31		5.50	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31		5.50	2.31
1	Surface Mount Box (2 Outlet)	10.91	3.06	7.55	3.06	7.09	3.06	6.71	3.06		10.91	3.06
1	Surface Mount Box (4 Outlet)	10.91	3.63	7.55	3.63	7.09	3.63	6.71	3.63		10.91	3.63
1	Surface Mount Box (6 Outlet)	10.91	8.96	7.55	8.96	7.09	8.96	6.71	8.96		10.91	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.91	4.89	7.55	4.89	7.09	4.89	6.71	4.89		10.91	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.91	8.72	7.55	8.72	7.09	8.72	6.71	8.72		10.91	8.72
1	Floor Monument Single Duplex Opening	6.81	40.96	4.71	40.96	4.42	40.96	4.19	40.96		6.81	40.96
1	Floor Monument Double Duplex Opening	6.81	47.23	4.71	47.23	4.42	47.23	4.19	47.23		6.81	47.23
1	Wall Mount Faceplate 630b	13.70	16.29	9.48	16.29	8.90	16.29	8.43	16.29		13.70	16.29
1	110 Type Wiring Block 25 Pair	46.50	6.43	32.19	6.43	30.23	6.43	28.62	6.43		46.50	6.43
1	110 Type Wiring Block 50 Pair	79.31	7.69	54.90	7.69	51.55	7.69	48.80	7.69		79.31	7.69
1	110 Type Wiring Block 100 Pair	151.72	13.29	105.04	13.29	98.62	13.29	93.37	13.29		151.72	13.29
1	110 Type Wiring Block 300 Pair	420.97	31.35	291.44	31.35	273.64	31.35	259.05	31.35		420.97	31.35
1	110 Type Connecting Block - 3 Pair	2.71	0.56	1.87	0.56	1.76	0.56	1.67	0.56		2.71	0.56
1	110 Type Connecting Block - 4 Pair	2.71	0.74	1.87	0.74	1.76	0.74	1.67	0.74		2.71	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	7

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.71	0.81	1.87	0.81	1.76	0.81	1.67	0.81		2.71	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	79.31	15.93	54.90	15.93	51.55	15.93	48.80	15.93		79.31	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	151.72	15.93	105.04	15.93	98.62	15.93	93.37	15.93		151.72	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	420.97	37.49	291.44	37.49	273.64	37.49	259.05	37.49		420.97	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	84.72	133.88	58.65	133.88	55.07	133.88	52.13	133.88		84.72	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	84.72	207.90	58.65	207.90	55.07	207.90	52.13	207.90		84.72	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	84.72	415.80	58.65	415.80	55.07	415.80	52.13	415.80		84.72	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	84.72	274.74	58.65	274.74	55.07	274.74	52.13	274.74		84.72	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	125.73	491.40	87.04	491.40	81.72	491.40	77.37	491.40	*4	125.73	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	125.73	632.97	87.04	632.97	81.72	632.97	77.37	632.97		125.73	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	166.73	822.96	115.43	822.96	108.38	822.96	102.60	822.96		166.73	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	295.25	175.14	204.40	175.14	191.91	175.14	181.69	175.14		295.25	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	524.88	350.28	363.38	350.28	341.18	350.28	323.00	350.28		524.88	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	262.44	700.56	181.69	700.56	170.59	700.56	161.50	700.56		262.44	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	295.25	308.70	204.40	308.70	191.91	308.70	181.69	308.70		295.25	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	524.88	580.86	363.38	580.86	341.18	580.86	323.00	580.86		524.88	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	262.44	1161.72	181.69	1161.72	170.59	1161.72	161.50	1161.72		262.44	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	360.86	370.57	249.83	370.57	234.56	370.57	222.06	370.57		360.86	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	721.71	741.20	499.65	741.20	469.12	741.20	444.12	741.20		721.71	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	262.44	1482.39	181.69	1482.39	170.59	1482.39	161.50	1482.39		262.44	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.70	69.30	9.48	69.30	8.90	69.30	8.43	69.30		13.70	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	12.30	0.00	8.52	0.00	8.00	0.00	7.57	0.00		12.30	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	12.30	0.00	8.52	0.00	8.00	0.00	7.57	0.00		12.30	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	15.01	0.00	10.39	0.00	9.76	0.00	9.24	0.00		15.01	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 110A type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

ARMM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.39	2.95	1.39
1	50 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.10	3.65	2.10
1	100 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	3.61	4.98	3.61
1	150 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	5.70	7.15	5.70
1	200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	7.02	8.42	7.02
1	300 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	10.07	11.43	10.07
1	400 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	14.01	14.03	14.01
1	500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	19.20	20.42	19.20
1	900 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	28.81	28.14	28.81
1	1200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	38.40	38.45	38.40
1	1500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	47.79	46.24	47.79
1	1800 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	58.54	54.02	58.54

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

CMR Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

CM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59
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COPPER TIE CABLE

Price per foot - terminated on 110A type hardware - Note #1

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	2.54	2.95	2.54
1	50 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	4.25	3.65	4.25
1	100 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	7.49	4.98	7.49
1	150 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	11.74	7.15	11.74
1	200 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	14.98	8.42	14.98
1	300 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	22.20	11.43	22.20
1	400 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	29.96	14.03	29.96

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

Note#1 - Terminated on 110A type hardware means terminated on 110 connector block.

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83

1	1800 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMR Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	1.44	**2.95**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	2.29	**3.65**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	4.01	**4.98**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	6.30	**7.15**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	8.03	**8.42**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	11.77	**11.43**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	16.30	**14.03**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	20.42	Material $$/ LF	23.53	**20.42**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	28.14	Material $$/ LF	34.84	**28.14**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	38.45	Material $$/ LF	47.06	**38.45**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	46.24	Material $$/ LF	58.83	**46.24**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	1.44	**2.95**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	2.29	**3.65**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	4.01	**4.98**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	6.30	**7.15**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	8.03	**8.42**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	11.77	**11.43**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	16.30	**14.03**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	20.42	Material $$/ LF	23.53	**20.42**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	28.14	Material $$/ LF	34.84	**28.14**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	38.45	Material $$/ LF	47.06	**38.45**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	46.24	Material $$/ LF	58.83	**46.24**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware*

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	2.54	2.95	2.54
1	50 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	4.25	3.65	4.25
1	100 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	7.49	4.98	7.49
1	150 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	11.74	7.15	11.74
1	200 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	14.98	8.42	14.98
1	300 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	22.20	11.43	22.20
1	400 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	30.21	14.03	30.21

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

*** Terminated on 66 type hardware means terminated on 66 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

COPPER TIE CABLE - CATEGORY 5E - NON-PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.87	2.95	1.87
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	3.35	3.65	3.35
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	6.29	4.98	6.29

Price / Foot - Terminated on Cat 5E Patch Panel

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.95	Material $$/ LF	3.14	2.95	3.14
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.65	Material $$/ LF	6.25	3.65	6.25
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.98	Material $$/ LF	12.50	4.98	12.50

COPPER TIE CABLE - CATEGORY 5E - PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	4.28	2.95	4.28
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	8.16	3.65	8.16
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	15.92	4.98	15.92

Price per foot - terminated on category 5E patch panel

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.95	Material $$/ LF	5.55	2.95	5.55
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.65	Material $$/ LF	11.06	3.65	11.06
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.98	Material $$/ LF	22.13	4.98	22.13

COPPER TIE CABLE - MODULAR SPLICE

(Spliced pair = joining of two pair of conductors)

							TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	127.91	Material $$/ 25 Pair	3.74	127.91	3.74
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	201.15	Material $$/ 25 Pair	7.48	201.15	7.48
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	346.95	Material $$/ 25 Pair	14.97	346.95	14.97
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	494.10	Material $$/ 25 Pair	22.45	494.10	22.45
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	639.90	Material $$/ 25 Pair	29.94	639.90	29.94
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	959.85	Material $$/ 25 Pair	44.91	959.85	44.91
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,166.40	Material $$/ 25 Pair	59.88	1,166.40	59.88
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,377.00	Material $$/ 25 Pair	74.84	1,377.00	74.84
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,344.95	Material $$/ 25 Pair	134.72	2,344.95	134.72
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,013.20	Material $$/ 25 Pair	179.63	3,013.20	179.63
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,624.75	Material $$/ 25 Pair	224.53	3,624.75	224.53
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	4,179.60	Material $$/ 25 Pair	269.44	4,179.60	269.44

INNERDUCT

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

NON-PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.28	Material $$/ LF	0.74	2.28	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.53	Material $$/ LF	0.83	2.53	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.79	Material $$/ LF	1.01	2.79	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	3.04	Material $$/ LF	1.13	3.04	1.13

PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.28	Material $$/ LF	2.21	2.28	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.53	Material $$/ LF	2.46	2.53	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.79	Material $$/ LF	3.47	2.79	3.47
1	2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	3.04	Material $$/ LF	4.35	3.04	4.35

NON-PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.28	Material $$/ LF	0.74	2.28	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.53	Material $$/ LF	0.83	2.53	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.79	Material $$/ LF	1.01	2.79	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	3.04	Material $$/ LF	1.13	3.04	1.13

PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.28	Material $$/ LF	2.21	2.28	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.53	Material $$/ LF	2.46	2.53	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.79	Material $$/ LF	3.47	2.79	3.47
1	2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	3.04	Material $$/ LF	4.35	3.04	4.35

QTY	Size						Labor	Material
1	Fabric Innerduct	Innerduct 2" 3 Cell - Installed in Conduit	Labor $$ / LF	1.35	Material $$/ LF	2.46	1.35	2.46

*Price per foot includes labor to install above suspended ceiling

** Price per foor includes labor to install in conduits and risers

COPPER TIE CABLE - INDOOR SPLICE CASE

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case	Matl. $$ / Spi. Case	315.49	**0.00**	**315.49**

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 62.5/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 50.0/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

RISER FIBER CABLE SYSTEM (OFNR)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	171.58	168.75	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	128.07	168.75	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	340.73	168.75	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	361.79	168.75	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	439.15	168.75	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	247.46	168.75	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	332.51	168.75	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	398.16	168.75	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	104.74	206.72	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	118.91	206.72	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	177.76	206.72	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	187.90	206.72	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	316.75	206.72	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	493.79	206.72	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	155.85	206.72	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	162.22	206.72	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	224.42	206.72	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	234.07	206.72	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	315.90	206.72	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	347.92	206.72	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	407.37	206.72	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	449.91	206.72	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	107.10	75.94	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	124.59	75.94	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	75.94	Material $ / Cable	114.11	75.94	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	132.30	75.94	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	154.35	75.94	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	22.28	25.31	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	27.37	25.31	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	35.48	25.31	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	37.97	Material $ / Cable	34.02	37.97	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	37.97	Material $ / Cable	49.14	37.97	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	104.00	Material $ / Cable	97.02	104.00	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	106.31	Material $ / Cable	97.02	106.31	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	101.41	Material $ / Cable	97.02	101.41	97.02
1	31 & More	Power Poles	Labor $$ / Cable	93.61	Material $ / Cable	97.02	93.61	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	7

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	75.94			75.94	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	113.91			113.91	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	151.88			151.88	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	94.93			94.93	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83
1	Each	Self Traceable Cat 6 Patchcord 5'			Material $ / Cable	10.63	0.00	10.63

1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89
1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	7

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description				TOTAL COST Labor	TOTAL COST Material
	Material Rate:					
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68		82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96		93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56		9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35		15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87		134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14		8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26		54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	75.94	75.94	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	37.97	37.97	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	7

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	74.04	6.30	51.26	6.30	48.13	6.30	45.56	6.30	74.04	6.30
1	Core 1" X 6" includes sleeve & firestopping	111.06	6.30	76.89	6.30	72.19	6.30	68.34	6.30	111.06	6.30
1	Core 1" X 8" includes sleeve & firestopping	148.08	6.30	102.52	6.30	96.25	6.30	91.12	6.30	148.08	6.30
1	Core 1" X 10" includes sleeve & firestopping	185.10	6.30	128.15	6.30	120.32	6.30	113.91	6.30	185.10	6.30
1	Core 2" X 4" includes sleeve & firestopping	111.06	12.60	76.89	12.60	72.19	12.60	68.34	12.60	111.06	12.60
1	Core 2" X 6" includes sleeve & firestopping	148.08	12.60	102.52	12.60	96.25	12.60	91.12	12.60	148.08	12.60
1	Core 2" X 8" includes sleeve & firestopping	185.10	12.60	128.15	12.60	120.32	12.60	113.91	12.60	185.10	12.60
1	Core 2" X 10" includes sleeve & firestopping	222.12	12.60	153.78	12.60	144.38	12.60	136.69	12.60	222.12	12.60
1	Core 4" X 6" includes sleeve & firestopping	222.12	18.90	153.78	18.90	144.38	18.90	136.69	18.90	222.12	18.90
1	Core 4" X 12" includes sleeve & firestopping	296.16	18.90	205.04	18.90	192.51	18.90	182.25	18.90	296.16	18.90
1	Core 4" X 18" includes sleeve & firestopping	370.20	18.90	256.29	18.90	240.64	18.90	227.81	18.90	370.20	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00
1	Wire Removal - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00
1	Troubleshoot - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00

OSP CABLE CONSTRUCTION

Zone:	7

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.81	1.84	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.09	1.84	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.37	1.84	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.15	1.84	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.54	1.84	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.45	1.84	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.89	1.84	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.58	1.84	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.53	1.84	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	3.25	1.84	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	2.54	1.84	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.73	1.84	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	6.37	1.84	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	4.94	1.84	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.29	1.84	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	2.19	Material $ / Foot	0.85	2.19	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	3.06	Material $ / Foot	1.53	3.06	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.50	Material $ / Foot	2.77	3.50	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	21.00	Material $ / Foot	1.29	21.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	26.25	Material $ / Foot	3.88	26.25	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.55	1.75	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.85	1.75	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.53	1.75	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	2.77	1.75	2.77
1	Foot	Trench	Labor $$ / Foot	7.00	Material $ / Foot	0.00	7.00	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.79	Material $ / Foot	0.20	0.79	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	63.00	Material $ / Foot	63.00	63.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	17.50	Material $ / Foot	12.60	17.50	12.60

OSP CABLE CONSTRUCTION

Zone:	7

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.89	1.75	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.58	1.75	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.53	1.75	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	3.25	1.75	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	2.54	1.75	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.73	1.75	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	6.37	1.75	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	4.94	1.75	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.29	1.75	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	2.10	Material $ / Foot	0.85	2.10	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.98	Material $ / Foot	1.53	2.98	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.85	Material $ / Foot	2.77	3.85	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	14.00	Material $ / Foot	1.29	14.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	19.25	Material $ / Foot	3.88	19.25	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.55	1.75	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.85	1.75	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.53	1.75	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	2.77	1.75	2.77
1	Foot	Trench	Labor $$ / Foot	8.75	Material $ / Foot	0.00	8.75	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.96	Material $ / Foot	0.30	0.96	0.30
1	Each	Install Cable Guy	Labor $$ / each	63.00	Material $ / each	63.00	63.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	17.50	Material $ / each	12.60	17.50	12.60

Non-Area Specific

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	210.00	Material $ / Foot	0.00	210.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	210.00	Material $ / Foot	0.00	210.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	4,340.00	Material $ / Foot	8694.00	4,340.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	3,080.00	Material $ / Foot	2520.00	3,080.00	2,520.00

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	495.00	Material $ / Cable	183.96	495.00	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	825.00	Material $ / Cable	241.92	825.00	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	990.00	Material $ / Cable	299.88	990.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,188.00	Material $ / Cable	357.84	1,188.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,320.00	Material $ / Cable	415.80	1,320.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,386.00	Material $ / Cable	473.76	1,386.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,386.00	Material $ / Cable	531.72	1,386.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,452.00	Material $ / Cable	589.68	1,452.00	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	171.58	137.50	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	128.07	137.50	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	340.73	137.50	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	361.79	137.50	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	439.15	137.50	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	247.46	137.50	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	332.51	137.50	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	137.50	Material $ / Cable	398.16	137.50	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	104.74	168.44	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	118.91	168.44	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	177.76	168.44	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	187.90	168.44	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	316.75	168.44	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	168.44	Material $ / Cable	493.79	168.44	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	155.85	168.44	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	162.22	168.44	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	224.42	168.44	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	234.07	168.44	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	315.90	168.44	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	347.92	168.44	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	407.37	168.44	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	168.44	Material $ / Cable	449.91	168.44	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	2

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	107.10	61.88	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	124.59	61.88	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	61.88	Material $ / Cable	114.11	61.88	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	132.30	61.88	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	61.88	Material $ / Cable	154.35	61.88	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	22.28	20.63	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	27.37	20.63	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	20.63	Material $ / Cable	35.48	20.63	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	30.94	Material $ / Cable	34.02	30.94	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	30.94	Material $ / Cable	49.14	30.94	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	87.75	Material $ / Cable	97.02	87.75	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	86.63	Material $ / Cable	97.02	86.63	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	82.63	Material $ / Cable	97.02	82.63	97.02
1	31 & More	Power Poles	Labor $$ / Cable	76.27	Material $ / Cable	97.02	76.27	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	2

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.09			3.09	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	61.88			61.88	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	92.82			92.82	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	123.76			123.76	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	77.35			77.35	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83
1	Each	Self Traceable Cat 6 Patchcord 5'			Material $ / Cable	10.63	0.00	10.63

1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89
1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	2

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description				TOTAL COST Labor	TOTAL COST Material
	Material Rate:					
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68		82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96		93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56		9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35		15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87		134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14		8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26		54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	61.88	61.88	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	30.94	30.94	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	2

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	49.16	6.30	34.03	6.30	31.95	6.30	30.25	6.30	49.16	6.30
1	Core 1" X 6" includes sleeve & firestopping	73.74	6.30	51.05	6.30	47.93	6.30	45.38	6.30	73.74	6.30
1	Core 1" X 8" includes sleeve & firestopping	98.32	6.30	68.07	6.30	63.90	6.30	60.50	6.30	98.32	6.30
1	Core 1" X 10" includes sleeve & firestopping	122.90	6.30	85.09	6.30	79.88	6.30	75.63	6.30	122.90	6.30
1	Core 2" X 4" includes sleeve & firestopping	73.74	12.60	51.05	12.60	47.93	12.60	45.38	12.60	73.74	12.60
1	Core 2" X 6" includes sleeve & firestopping	98.32	12.60	68.07	12.60	63.90	12.60	60.50	12.60	98.32	12.60
1	Core 2" X 8" includes sleeve & firestopping	122.90	12.60	85.09	12.60	79.88	12.60	75.63	12.60	122.90	12.60
1	Core 2" X 10" includes sleeve & firestopping	147.48	12.60	102.10	12.60	95.85	12.60	90.75	12.60	147.48	12.60
1	Core 4" X 6" includes sleeve & firestopping	147.48	18.90	102.10	18.90	95.85	18.90	90.75	18.90	147.48	18.90
1	Core 4" X 12" includes sleeve & firestopping	196.64	18.90	136.14	18.90	127.80	18.90	121.00	18.90	196.64	18.90
1	Core 4" X 18" includes sleeve & firestopping	245.80	18.90	170.17	18.90	159.75	18.90	151.25	18.90	245.80	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00
1	Wire Removal - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00
1	Troubleshoot - Price per Hour	61.88		61.88		61.88		61.88		61.88	0.00

OSP CABLE CONSTRUCTION

Zone:	2

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.81	1.44	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.09	1.44	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.37	1.44	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.15	1.44	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.54	1.44	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.45	1.44	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.89	1.44	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.58	1.44	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.53	1.44	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	3.25	1.44	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	2.54	1.44	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	0.73	1.44	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.44	Material $ / Foot	6.37	1.44	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.44	Material $ / Foot	4.94	1.44	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.44	Material $ / Foot	1.29	1.44	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.72	Material $ / Foot	0.85	1.72	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.41	Material $ / Foot	1.53	2.41	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	2.75	Material $ / Foot	2.77	2.75	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	16.50	Material $ / Foot	1.29	16.50	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	20.63	Material $ / Foot	3.88	20.63	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.55	1.38	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.85	1.38	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.53	1.38	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	2.77	1.38	2.77
1	Foot	Trench	Labor $$ / Foot	5.50	Material $ / Foot	0.00	5.50	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.62	Material $ / Foot	0.20	0.62	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	49.50	Material $ / Foot	63.00	49.50	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	13.75	Material $ / Foot	12.60	13.75	12.60

OSP CABLE CONSTRUCTION

Zone:	2

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.89	1.38	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.58	1.38	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.53	1.38	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	3.25	1.38	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	2.54	1.38	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	0.73	1.38	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.38	Material $ / Foot	6.37	1.38	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.38	Material $ / Foot	4.94	1.38	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.38	Material $ / Foot	1.29	1.38	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	1.65	Material $ / Foot	0.85	1.65	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.34	Material $ / Foot	1.53	2.34	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.03	Material $ / Foot	2.77	3.03	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	11.00	Material $ / Foot	1.29	11.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	15.13	Material $ / Foot	3.88	15.13	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.55	1.38	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.81	1.38	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.09	1.38	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.37	1.38	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.15	1.38	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.54	1.38	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.45	1.38	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	0.85	1.38	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	1.53	1.38	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.38	Material $ / Foot	2.77	1.38	2.77
1	Foot	Trench	Labor $$ / Foot	6.88	Material $ / Foot	0.00	6.88	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.76	Material $ / Foot	0.30	0.76	0.30
1	Each	Install Cable Guy	Labor $$ / each	49.50	Material $ / each	63.00	49.50	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	13.75	Material $ / each	12.60	13.75	12.60

Non-Area Specific

QTY	Units	Item Description						TOTAL COST	
								Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	165.00	Material $ / Foot	0.00		165.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	165.00	Material $ / Foot	0.00		165.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	3,410.00	Material $ / Foot	8694.00		3,410.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	2,420.00	Material $ / Foot	2520.00		2,420.00	2,520.00

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
	Special Secured Area
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.17	0.51	0.81	0.51	0.76	0.51	0.72	0.51	1.17	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.02	0.98	1.02	0.92	1.02	0.87	1.02	1.41	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.64	1.52	1.14	1.52	1.07	1.52	1.01	1.52	1.64	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.88	2.03	1.30	2.03	1.22	2.03	1.16	2.03	1.88	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.11	2.54	1.46	2.54	1.37	2.54	1.30	2.54	2.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.35	3.05	1.63	3.05	1.53	3.05	1.44	3.05	2.35	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.58	3.55	1.79	3.55	1.68	3.55	1.59	3.55	2.58	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.82	4.06	1.95	4.06	1.83	4.06	1.73	4.06	2.82	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.51	1.14	0.51	1.07	0.51	1.01	0.51	1.64	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.02	1.37	1.02	1.28	1.02	1.21	1.02	1.97	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.30	1.52	1.59	1.52	1.50	1.52	1.42	1.52	2.30	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.63	2.03	1.82	2.03	1.71	2.03	1.62	2.03	2.63	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.96	2.54	2.05	2.54	1.92	2.54	1.82	2.54	2.96	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.29	3.05	2.28	3.05	2.14	3.05	2.02	3.05	3.29	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.61	3.55	2.50	3.55	2.35	3.55	2.22	3.55	3.61	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.94	4.06	2.73	4.06	2.56	4.06	2.43	4.06	3.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.22	0.81	0.22	0.76	0.22	0.72	0.22	1.17	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.45	0.98	0.45	0.92	0.45	0.87	0.45	1.41	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.64	0.67	1.14	0.67	1.07	0.67	1.01	0.67	1.64	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.88	0.90	1.30	0.90	1.22	0.90	1.16	0.90	1.88	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.11	1.12	1.46	1.12	1.37	1.12	1.30	1.12	2.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.35	1.35	1.63	1.35	1.53	1.35	1.44	1.35	2.35	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.58	1.57	1.79	1.57	1.68	1.57	1.59	1.57	2.58	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.82	1.79	1.95	1.79	1.83	1.79	1.73	1.79	2.82	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.22	1.14	0.22	1.07	0.22	1.01	0.22	1.64	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.45	1.37	0.45	1.28	0.45	1.21	0.45	1.97	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.30	0.67	1.59	0.67	1.50	0.67	1.42	0.67	2.30	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.63	0.90	1.82	0.90	1.71	0.90	1.62	0.90	2.63	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.96	1.12	2.05	1.12	1.92	1.12	1.82	1.12	2.96	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.29	1.35	2.28	1.35	2.14	1.35	2.02	1.35	3.29	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.61	1.57	2.50	1.57	2.35	1.57	2.22	1.57	3.61	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.94	1.79	2.73	1.79	2.56	1.79	2.43	1.79	3.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.23	0.51	1.54	0.51	1.45	0.51	1.37	0.51	2.23	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.70	1.02	1.87	1.02	1.75	1.02	1.66	1.02	2.70	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.17	1.52	2.19	1.52	2.06	1.52	1.95	1.52	3.17	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.64	2.03	2.52	2.03	2.36	2.03	2.24	2.03	3.64	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.11	2.54	2.84	2.54	2.67	2.54	2.53	2.54	4.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.58	3.05	3.17	3.05	2.98	3.05	2.82	3.05	4.58	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.05	3.55	3.49	3.55	3.28	3.55	3.11	3.55	5.05	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.52	4.06	3.82	4.06	3.59	4.06	3.39	4.06	5.52	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.12	0.51	2.16	0.51	2.03	0.51	1.92	0.51	3.12	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.78	1.02	2.62	1.02	2.46	1.02	2.33	1.02	3.78	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.44	1.52	3.07	1.52	2.88	1.52	2.73	1.52	4.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.09	2.03	3.53	2.03	3.31	2.03	3.13	2.03	5.09	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.75	2.54	3.98	2.54	3.74	2.54	3.54	2.54	5.75	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.41	3.05	4.44	3.05	4.17	3.05	3.94	3.05	6.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.07	3.55	4.89	3.55	4.59	3.55	4.35	3.55	7.07	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.72	4.06	5.35	4.06	5.02	4.06	4.75	4.06	7.72	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.23	0.22	1.54	0.22	1.45	0.22	1.37	0.22	2.23	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	0.45	1.87	0.45	1.75	0.45	1.66	0.45	2.70	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.17	0.67	2.19	0.67	2.06	0.67	1.95	0.67	3.17	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.64	0.90	2.52	0.90	2.36	0.90	2.24	0.90	3.64	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.11	1.12	2.84	1.12	2.67	1.12	2.53	1.12	4.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.58	1.35	3.17	1.35	2.98	1.35	2.82	1.35	4.58	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.05	1.57	3.49	1.57	3.28	1.57	3.11	1.57	5.05	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.52	1.79	3.82	1.79	3.59	1.79	3.39	1.79	5.52	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.12	0.22	2.16	0.22	2.03	0.22	1.92	0.22	3.12	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	0.45	2.62	0.45	2.46	0.45	2.33	0.45	3.78	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.44	0.67	3.07	0.67	2.88	0.67	2.73	0.67	4.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.09	0.90	3.53	0.90	3.31	0.90	3.13	0.90	5.09	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.75	1.12	3.98	1.12	3.74	1.12	3.54	1.12	5.75	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.41	1.35	4.44	1.35	4.17	1.35	3.94	1.35	6.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.07	1.57	4.89	1.57	4.59	1.57	4.35	1.57	7.07	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.72	1.79	5.35	1.79	5.02	1.79	4.75	1.79	7.72	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.29	0.77	0.89	0.77	0.84	0.77	0.79	0.77	1.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.53	1.06	1.53	0.99	1.53	0.94	1.53	1.53	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	2.30	1.22	2.30	1.14	2.30	1.08	2.30	1.76	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	3.06	1.38	3.06	1.30	3.06	1.23	3.06	2.00	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	3.83	1.54	3.83	1.45	3.83	1.37	3.83	2.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	4.60	1.71	4.60	1.60	4.60	1.52	4.60	2.46	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	5.36	1.87	5.36	1.75	5.36	1.66	5.36	2.70	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	6.13	2.03	6.13	1.91	6.13	1.81	6.13	2.93	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	1.53	1.48	1.53	1.39	1.53	1.31	1.53	2.14	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	2.30	1.71	2.30	1.60	2.30	1.52	2.30	2.46	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	3.06	1.93	3.06	1.82	3.06	1.72	3.06	2.79	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	3.83	2.16	3.83	2.03	3.83	1.92	3.83	3.12	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	4.60	2.39	4.60	2.24	4.60	2.12	4.60	3.45	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	5.36	2.62	5.36	2.46	5.36	2.33	5.36	3.78	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.11	6.13	2.84	6.13	2.67	6.13	2.53	6.13	4.11	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.33	0.89	0.33	0.84	0.33	0.79	0.33	1.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.65	1.06	0.65	0.99	0.65	0.94	0.65	1.53	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.98	1.22	0.98	1.14	0.98	1.08	0.98	1.76	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	1.30	1.38	1.30	1.30	1.30	1.23	1.30	2.00	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.63	1.54	1.63	1.45	1.63	1.37	1.63	2.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.95	1.71	1.95	1.60	1.95	1.52	1.95	2.46	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	2.28	1.87	2.28	1.75	2.28	1.66	2.28	2.70	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	2.60	2.03	2.60	1.91	2.60	1.81	2.60	2.93	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.65	1.48	0.65	1.39	0.65	1.31	0.65	2.14	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.98	1.71	0.98	1.60	0.98	1.52	0.98	2.46	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	1.30	1.93	1.30	1.82	1.30	1.72	1.30	2.79	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.63	2.16	1.63	2.03	1.63	1.92	1.63	3.12	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.95	2.39	1.95	2.24	1.95	2.12	1.95	3.45	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	2.28	2.62	2.28	2.46	2.28	2.33	2.28	3.78	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.11	2.60	2.84	2.60	2.67	2.60	2.53	2.60	4.11	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.35	0.77	1.63	0.77	1.53	0.77	1.44	0.77	2.35	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.82	1.53	1.95	1.53	1.83	1.53	1.73	1.53	2.82	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.29	2.30	2.28	2.30	2.14	2.30	2.02	2.30	3.29	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.76	3.06	2.60	3.06	2.44	3.06	2.31	3.06	3.76	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.23	3.83	2.93	3.83	2.75	3.83	2.60	3.83	4.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.69	4.60	3.25	4.60	3.05	4.60	2.89	4.60	4.69	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.16	5.36	3.58	5.36	3.36	5.36	3.18	5.36	5.16	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.63	6.13	3.90	6.13	3.66	6.13	3.47	6.13	5.63	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.29	0.77	2.28	0.77	2.14	0.77	2.02	0.77	3.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.94	1.53	2.73	1.53	2.56	1.53	2.43	1.53	3.94	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.60	2.30	3.19	2.30	2.99	2.30	2.83	2.30	4.60	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.26	3.06	3.64	3.06	3.42	3.06	3.24	3.06	5.26	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.83	4.10	3.83	3.84	3.83	3.64	3.83	5.92	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.57	4.60	4.55	4.60	4.27	4.60	4.04	4.60	6.57	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.23	5.36	5.01	5.36	4.70	5.36	4.45	5.36	7.23	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.89	6.13	5.46	6.13	5.13	6.13	4.85	6.13	7.89	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.35	0.33	1.63	0.33	1.53	0.33	1.44	0.33	2.35	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.82	0.65	1.95	0.65	1.83	0.65	1.73	0.65	2.82	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.98	2.28	0.98	2.14	0.98	2.02	0.98	3.29	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.76	1.30	2.60	1.30	2.44	1.30	2.31	1.30	3.76	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.63	2.93	1.63	2.75	1.63	2.60	1.63	4.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.69	1.95	3.25	1.95	3.05	1.95	2.89	1.95	4.69	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.16	2.28	3.58	2.28	3.36	2.28	3.18	2.28	5.16	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.63	2.60	3.90	2.60	3.66	2.60	3.47	2.60	5.63	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.29	0.33	2.28	0.33	2.14	0.33	2.02	0.33	3.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.94	0.65	2.73	0.65	2.56	0.65	2.43	0.65	3.94	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.60	0.98	3.19	0.98	2.99	0.98	2.83	0.98	4.60	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.26	1.30	3.64	1.30	3.42	1.30	3.24	1.30	5.26	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.63	4.10	1.63	3.84	1.63	3.64	1.63	5.92	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.57	1.95	4.55	1.95	4.27	1.95	4.04	1.95	6.57	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.23	2.28	5.01	2.28	4.70	2.28	4.45	2.28	7.23	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.89	2.60	5.46	2.60	5.13	2.60	4.85	2.60	7.89	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Duplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Triplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Quadplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Sixplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Eightplex Outlet	2.61	4.17	1.80	4.17	1.69	4.17	1.60	4.17		2.61	4.17
1	Modular Faceplate Tenplex Outlet	5.21	4.17	3.61	4.17	3.39	4.17	3.21	4.17	*1	5.21	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31	*2	5.29	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Surface Mount Box (2 Outlet)	10.50	3.06	7.27	3.06	6.83	3.06	6.46	3.06		10.50	3.06
1	Surface Mount Box (4 Outlet)	10.50	3.63	7.27	3.63	6.83	3.63	6.46	3.63		10.50	3.63
1	Surface Mount Box (6 Outlet)	10.50	8.96	7.27	8.96	6.83	8.96	6.46	8.96		10.50	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.50	4.89	7.27	4.89	6.83	4.89	6.46	4.89		10.50	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.50	8.72	7.27	8.72	6.83	8.72	6.46	8.72		10.50	8.72
1	Floor Monument Single Duplex Opening	6.56	40.96	4.54	40.96	4.26	40.96	4.03	40.96		6.56	40.96
1	Floor Monument Double Duplex Opening	6.56	47.23	4.54	47.23	4.26	47.23	4.03	47.23		6.56	47.23
1	Wall Mount Faceplate 630b	13.19	16.29	9.13	16.29	8.57	16.29	8.12	16.29		13.19	16.29
1	110 Type Wiring Block 25 Pair	44.78	6.43	31.00	6.43	29.11	6.43	27.56	6.43		44.78	6.43
1	110 Type Wiring Block 50 Pair	76.37	7.69	52.87	7.69	49.64	7.69	46.99	7.69		76.37	7.69
1	110 Type Wiring Block 100 Pair	146.10	13.29	101.15	13.29	94.97	13.29	89.91	13.29		146.10	13.29
1	110 Type Wiring Block 300 Pair	405.38	31.35	280.65	31.35	263.50	31.35	249.45	31.35		405.38	31.35
1	110 Type Connecting Block - 3 Pair	2.61	0.56	1.80	0.56	1.69	0.56	1.60	0.56		2.61	0.56
1	110 Type Connecting Block - 4 Pair	2.61	0.74	1.80	0.74	1.69	0.74	1.60	0.74		2.61	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	3

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.61	0.81	1.80	0.81	1.69	0.81	1.60	0.81		2.61	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	76.37	15.93	52.87	15.93	49.64	15.93	46.99	15.93		76.37	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	146.10	15.93	101.15	15.93	94.97	15.93	89.91	15.93		146.10	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	405.38	37.49	280.65	37.49	263.50	37.49	249.45	37.49		405.38	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	81.58	133.88	56.48	133.88	53.03	133.88	50.20	133.88		81.58	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	81.58	207.90	56.48	207.90	53.03	207.90	50.20	207.90		81.58	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	81.58	415.80	56.48	415.80	53.03	415.80	50.20	415.80		81.58	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	3
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	81.58	274.74	56.48	274.74	53.03	274.74	50.20	274.74		81.58	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	121.07	491.40	83.82	491.40	78.70	491.40	74.50	491.40	*4	121.07	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	121.07	632.97	83.82	632.97	78.70	632.97	74.50	632.97		121.07	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	160.56	822.96	111.16	822.96	104.36	822.96	98.80	822.96		160.56	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	284.31	175.14	196.83	175.14	184.80	175.14	174.95	175.14		284.31	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	505.44	350.28	349.93	350.28	328.54	350.28	311.03	350.28		505.44	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	252.72	700.56	174.96	700.56	164.27	700.56	155.51	700.56		252.72	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	284.31	308.70	196.83	308.70	184.80	308.70	174.95	308.70		284.31	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	505.44	580.86	349.93	580.86	328.54	580.86	311.03	580.86		505.44	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	252.72	1161.72	174.96	1161.72	164.27	1161.72	155.51	1161.72		252.72	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	347.49	370.57	240.58	370.57	225.87	370.57	213.83	370.57		347.49	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	694.98	741.20	481.15	741.20	451.74	741.20	427.66	741.20		694.98	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	252.72	1482.39	174.96	1482.39	164.27	1482.39	155.51	1482.39		252.72	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.19	69.30	9.13	69.30	8.57	69.30	8.12	69.30		13.19	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	14.45	0.00	10.01	0.00	9.39	0.00	8.89	0.00		14.45	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.98	0.32	0.68	0.32	0.63	0.32	0.60	0.32	0.98	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.19	0.64	0.83	0.64	0.77	0.64	0.73	0.64	1.19	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.41	0.95	0.98	0.95	0.92	0.95	0.87	0.95	1.41	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.63	1.27	1.13	1.27	1.06	1.27	1.00	1.27	1.63	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.84	1.59	1.28	1.59	1.20	1.59	1.13	1.59	1.84	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.06	1.91	1.43	1.91	1.34	1.91	1.27	1.91	2.06	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.28	2.22	1.58	2.22	1.48	2.22	1.40	2.22	2.28	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.49	2.54	1.73	2.54	1.62	2.54	1.53	2.54	2.49	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.37	0.32	0.95	0.32	0.89	0.32	0.84	0.32	1.37	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.67	0.64	1.16	0.64	1.08	0.64	1.03	0.64	1.67	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.97	0.95	1.37	0.95	1.28	0.95	1.21	0.95	1.97	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.28	1.27	1.58	1.27	1.48	1.27	1.40	1.27	2.28	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.58	1.59	1.79	1.59	1.68	1.59	1.59	1.59	2.58	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.88	1.91	2.00	1.91	1.87	1.91	1.77	1.91	2.88	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.19	2.22	2.21	2.22	2.07	2.22	1.96	2.22	3.19	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.49	2.54	2.42	2.54	2.27	2.54	2.15	2.54	3.49	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.98	0.18	0.68	0.18	0.63	0.18	0.60	0.18	0.98	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.19	0.35	0.83	0.35	0.77	0.35	0.73	0.35	1.19	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.41	0.53	0.98	0.53	0.92	0.53	0.87	0.53	1.41	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.63	0.70	1.13	0.70	1.06	0.70	1.00	0.70	1.63	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.84	0.88	1.28	0.88	1.20	0.88	1.13	0.88	1.84	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.06	1.05	1.43	1.05	1.34	1.05	1.27	1.05	2.06	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.28	1.23	1.58	1.23	1.48	1.23	1.40	1.23	2.28	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	1.40	1.73	1.40	1.62	1.40	1.53	1.40	2.49	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.37	0.18	0.95	0.18	0.89	0.18	0.84	0.18	1.37	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.67	0.35	1.16	0.35	1.08	0.35	1.03	0.35	1.67	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.97	0.53	1.37	0.53	1.28	0.53	1.21	0.53	1.97	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.28	0.70	1.58	0.70	1.48	0.70	1.40	0.70	2.28	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.58	0.88	1.79	0.88	1.68	0.88	1.59	0.88	2.58	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.88	1.05	2.00	1.05	1.87	1.05	1.77	1.05	2.88	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.19	1.23	2.21	1.23	2.07	1.23	1.96	1.23	3.19	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	1.40	2.42	1.40	2.27	1.40	2.15	1.40	3.49	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.08	0.51	0.75	0.51	0.70	0.51	0.67	0.51	1.08	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.30	1.02	0.90	1.02	0.85	1.02	0.80	1.02	1.30	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.52	1.52	1.05	1.52	0.99	1.52	0.93	1.52	1.52	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.73	2.03	1.20	2.03	1.13	2.03	1.07	2.03	1.73	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.95	2.54	1.35	2.54	1.27	2.54	1.20	2.54	1.95	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.17	3.05	1.50	3.05	1.41	3.05	1.33	3.05	2.17	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.38	3.55	1.65	3.55	1.55	3.55	1.47	3.55	2.38	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.60	4.06	1.80	4.06	1.69	4.06	1.60	4.06	2.60	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.52	0.51	1.05	0.51	0.99	0.51	0.93	0.51	1.52	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.82	1.02	1.26	1.02	1.18	1.02	1.12	1.02	1.82	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.12	1.52	1.47	1.52	1.38	1.52	1.31	1.52	2.12	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.43	2.03	1.68	2.03	1.58	2.03	1.49	2.03	2.43	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.73	2.54	1.89	2.54	1.77	2.54	1.68	2.54	2.73	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.03	3.05	2.10	3.05	1.97	3.05	1.87	3.05	3.03	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.34	3.55	2.31	3.55	2.17	3.55	2.05	3.55	3.34	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.64	4.06	2.52	4.06	2.37	4.06	2.24	4.06	3.64	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.08	0.22	0.75	0.22	0.70	0.22	0.67	0.22	1.08	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.30	0.45	0.90	0.45	0.85	0.45	0.80	0.45	1.30	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.52	0.67	1.05	0.67	0.99	0.67	0.93	0.67	1.52	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.73	0.90	1.20	0.90	1.13	0.90	1.07	0.90	1.73	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.95	1.12	1.35	1.12	1.27	1.12	1.20	1.12	1.95	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.17	1.35	1.50	1.35	1.41	1.35	1.33	1.35	2.17	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.38	1.57	1.65	1.57	1.55	1.57	1.47	1.57	2.38	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.60	1.79	1.80	1.79	1.69	1.79	1.60	1.79	2.60	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.52	0.22	1.05	0.22	0.99	0.22	0.93	0.22	1.52	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.82	0.45	1.26	0.45	1.18	0.45	1.12	0.45	1.82	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.12	0.67	1.47	0.67	1.38	0.67	1.31	0.67	2.12	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.43	0.90	1.68	0.90	1.58	0.90	1.49	0.90	2.43	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.73	1.12	1.89	1.12	1.77	1.12	1.68	1.12	2.73	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.03	1.35	2.10	1.35	1.97	1.35	1.87	1.35	3.03	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.34	1.57	2.31	1.57	2.17	1.57	2.05	1.57	3.34	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.64	1.79	2.52	1.79	2.37	1.79	2.24	1.79	3.64	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.06	0.51	1.43	0.51	1.34	0.51	1.27	0.51	2.06	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.49	1.02	1.73	1.02	1.62	1.02	1.53	1.02	2.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.93	1.52	2.03	1.52	1.90	1.52	1.80	1.52	2.93	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.36	2.03	2.33	2.03	2.18	2.03	2.07	2.03	3.36	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.79	2.54	2.63	2.54	2.46	2.54	2.33	2.54	3.79	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.23	3.05	2.93	3.05	2.75	3.05	2.60	3.05	4.23	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.66	3.55	3.23	3.55	3.03	3.55	2.87	3.55	4.66	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.09	4.06	3.53	4.06	3.31	4.06	3.13	4.06	5.09	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.88	0.51	2.00	0.51	1.87	0.51	1.77	0.51	2.88	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.49	1.02	2.42	1.02	2.27	1.02	2.15	1.02	3.49	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.10	1.52	2.84	1.52	2.66	1.52	2.52	1.52	4.10	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.70	2.03	3.26	2.03	3.06	2.03	2.89	2.03	4.70	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.31	2.54	3.68	2.54	3.45	2.54	3.27	2.54	5.31	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.05	4.10	3.05	3.85	3.05	3.64	3.05	5.92	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.52	3.55	4.52	3.55	4.24	3.55	4.01	3.55	6.52	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.13	4.06	4.94	4.06	4.63	4.06	4.39	4.06	7.13	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.06	0.22	1.43	0.22	1.34	0.22	1.27	0.22	2.06	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.49	0.45	1.73	0.45	1.62	0.45	1.53	0.45	2.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.93	0.67	2.03	0.67	1.90	0.67	1.80	0.67	2.93	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.36	0.90	2.33	0.90	2.18	0.90	2.07	0.90	3.36	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.79	1.12	2.63	1.12	2.46	1.12	2.33	1.12	3.79	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.35	2.93	1.35	2.75	1.35	2.60	1.35	4.23	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.66	1.57	3.23	1.57	3.03	1.57	2.87	1.57	4.66	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.09	1.79	3.53	1.79	3.31	1.79	3.13	1.79	5.09	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.88	0.22	2.00	0.22	1.87	0.22	1.77	0.22	2.88	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.49	0.45	2.42	0.45	2.27	0.45	2.15	0.45	3.49	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.10	0.67	2.84	0.67	2.66	0.67	2.52	0.67	4.10	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.70	0.90	3.26	0.90	3.06	0.90	2.89	0.90	4.70	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.31	1.12	3.68	1.12	3.45	1.12	3.27	1.12	5.31	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.35	4.10	1.35	3.85	1.35	3.64	1.35	5.92	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.52	1.57	4.52	1.57	4.24	1.57	4.01	1.57	6.52	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.13	1.79	4.94	1.79	4.63	1.79	4.39	1.79	7.13	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.19	0.77	0.83	0.77	0.77	0.77	0.73	0.77	1.19	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.53	0.98	1.53	0.92	1.53	0.87	1.53	1.41	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	2.30	1.13	2.30	1.06	2.30	1.00	2.30	1.63	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.84	3.06	1.28	3.06	1.20	3.06	1.13	3.06	1.84	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.06	3.83	1.43	3.83	1.34	3.83	1.27	3.83	2.06	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.28	4.60	1.58	4.60	1.48	4.60	1.40	4.60	2.28	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.49	5.36	1.73	5.36	1.62	5.36	1.53	5.36	2.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.71	6.13	1.88	6.13	1.76	6.13	1.67	6.13	2.71	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.67	0.77	1.16	0.77	1.08	0.77	1.03	0.77	1.67	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.53	1.37	1.53	1.28	1.53	1.21	1.53	1.97	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	2.30	1.58	2.30	1.48	2.30	1.40	2.30	2.28	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.58	3.06	1.79	3.06	1.68	3.06	1.59	3.06	2.58	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.88	3.83	2.00	3.83	1.87	3.83	1.77	3.83	2.88	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.19	4.60	2.21	4.60	2.07	4.60	1.96	4.60	3.19	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.49	5.36	2.42	5.36	2.27	5.36	2.15	5.36	3.49	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.79	6.13	2.63	6.13	2.46	6.13	2.33	6.13	3.79	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.19	0.33	0.83	0.33	0.77	0.33	0.73	0.33	1.19	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.65	0.98	0.65	0.92	0.65	0.87	0.65	1.41	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	0.98	1.13	0.98	1.06	0.98	1.00	0.98	1.63	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.84	1.30	1.28	1.30	1.20	1.30	1.13	1.30	1.84	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.06	1.63	1.43	1.63	1.34	1.63	1.27	1.63	2.06	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.28	1.95	1.58	1.95	1.48	1.95	1.40	1.95	2.28	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.49	2.28	1.73	2.28	1.62	2.28	1.53	2.28	2.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.71	2.60	1.88	2.60	1.76	2.60	1.67	2.60	2.71	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.67	0.33	1.16	0.33	1.08	0.33	1.03	0.33	1.67	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.65	1.37	0.65	1.28	0.65	1.21	0.65	1.97	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	0.98	1.58	0.98	1.48	0.98	1.40	0.98	2.28	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.58	1.30	1.79	1.30	1.68	1.30	1.59	1.30	2.58	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.88	1.63	2.00	1.63	1.87	1.63	1.77	1.63	2.88	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.19	1.95	2.21	1.95	2.07	1.95	1.96	1.95	3.19	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.49	2.28	2.42	2.28	2.27	2.28	2.15	2.28	3.49	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.79	2.60	2.63	2.60	2.46	2.60	2.33	2.60	3.79	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.17	0.77	1.50	0.77	1.41	0.77	1.33	0.77	2.17	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.60	1.53	1.80	1.53	1.69	1.53	1.60	1.53	2.60	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.03	2.30	2.10	2.30	1.97	2.30	1.87	2.30	3.03	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.47	3.06	2.40	3.06	2.25	3.06	2.13	3.06	3.47	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.90	3.83	2.70	3.83	2.54	3.83	2.40	3.83	3.90	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.33	4.60	3.00	4.60	2.82	4.60	2.67	4.60	4.33	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.77	5.36	3.30	5.36	3.10	5.36	2.93	5.36	4.77	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.20	6.13	3.60	6.13	3.38	6.13	3.20	6.13	5.20	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.03	0.77	2.10	0.77	1.97	0.77	1.87	0.77	3.03	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.64	1.53	2.52	1.53	2.37	1.53	2.24	1.53	3.64	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.25	2.30	2.94	2.30	2.76	2.30	2.61	2.30	4.25	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.85	3.06	3.36	3.06	3.15	3.06	2.99	3.06	4.85	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.46	3.83	3.78	3.83	3.55	3.83	3.36	3.83	5.46	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.07	4.60	4.20	4.60	3.94	4.60	3.73	4.60	6.07	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.67	5.36	4.62	5.36	4.34	5.36	4.11	5.36	6.67	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.28	6.13	5.04	6.13	4.73	6.13	4.48	6.13	7.28	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.17	0.33	1.50	0.33	1.41	0.33	1.33	0.33	2.17	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.60	0.65	1.80	0.65	1.69	0.65	1.60	0.65	2.60	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.03	0.98	2.10	0.98	1.97	0.98	1.87	0.98	3.03	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.47	1.30	2.40	1.30	2.25	1.30	2.13	1.30	3.47	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.90	1.63	2.70	1.63	2.54	1.63	2.40	1.63	3.90	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.33	1.95	3.00	1.95	2.82	1.95	2.67	1.95	4.33	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.77	2.28	3.30	2.28	3.10	2.28	2.93	2.28	4.77	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.20	2.60	3.60	2.60	3.38	2.60	3.20	2.60	5.20	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.03	0.33	2.10	0.33	1.97	0.33	1.87	0.33	3.03	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.64	0.65	2.52	0.65	2.37	0.65	2.24	0.65	3.64	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.25	0.98	2.94	0.98	2.76	0.98	2.61	0.98	4.25	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.85	1.30	3.36	1.30	3.15	1.30	2.99	1.30	4.85	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.46	1.63	3.78	1.63	3.55	1.63	3.36	1.63	5.46	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.07	1.95	4.20	1.95	3.94	1.95	3.73	1.95	6.07	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.67	2.28	4.62	2.28	4.34	2.28	4.11	2.28	6.67	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.28	2.60	5.04	2.60	4.73	2.60	4.48	2.60	7.28	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Duplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Triplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Quadplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Sixplex Outlet	2.41	1.64	1.67	1.64	1.56	1.64	1.48	1.64		2.41	1.64
1	Modular Faceplate Eightplex Outlet	2.41	4.17	1.67	4.17	1.56	4.17	1.48	4.17		2.41	4.17
1	Modular Faceplate Tenplex Outlet	4.81	4.17	3.33	4.17	3.13	4.17	2.96	4.17	*1	4.81	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31	*2	4.88	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.88	2.31	3.38	2.31	3.17	2.31	3.01	2.31		4.88	2.31
1	Surface Mount Box (2 Outlet)	9.70	3.06	6.71	3.06	6.30	3.06	5.97	3.06		9.70	3.06
1	Surface Mount Box (4 Outlet)	9.70	3.63	6.71	3.63	6.30	3.63	5.97	3.63		9.70	3.63
1	Surface Mount Box (6 Outlet)	9.70	8.96	6.71	8.96	6.30	8.96	5.97	8.96		9.70	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	9.70	4.89	6.71	4.89	6.30	4.89	5.97	4.89		9.70	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	9.70	8.72	6.71	8.72	6.30	8.72	5.97	8.72		9.70	8.72
1	Floor Monument Single Duplex Opening	6.05	40.96	4.19	40.96	3.93	40.96	3.72	40.96		6.05	40.96
1	Floor Monument Double Duplex Opening	6.05	47.23	4.19	47.23	3.93	47.23	3.72	47.23		6.05	47.23
1	Wall Mount Faceplate 630b	12.17	16.29	8.43	16.29	7.91	16.29	7.49	16.29		12.17	16.29
1	110 Type Wiring Block 25 Pair	41.33	6.43	28.62	6.43	26.87	6.43	25.44	6.43		41.33	6.43
1	110 Type Wiring Block 50 Pair	70.49	7.69	48.80	7.69	45.82	7.69	43.38	7.69		70.49	7.69
1	110 Type Wiring Block 100 Pair	134.87	13.29	93.37	13.29	87.67	13.29	82.99	13.29		134.87	13.29
1	110 Type Wiring Block 300 Pair	374.20	31.35	259.06	31.35	243.25	31.35	230.27	31.35		374.20	31.35
1	110 Type Connecting Block - 3 Pair	2.41	0.56	1.67	0.56	1.56	0.56	1.48	0.56		2.41	0.56
1	110 Type Connecting Block - 4 Pair	2.41	0.74	1.67	0.74	1.56	0.74	1.48	0.74		2.41	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	4

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.41	0.81	1.67	0.81	1.56	0.81	1.48	0.81		2.41	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	70.49	15.93	48.80	15.93	45.82	15.93	43.38	15.93		70.49	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	134.87	15.93	93.37	15.93	87.67	15.93	82.99	15.93		134.87	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	374.20	37.49	259.06	37.49	243.25	37.49	230.27	37.49		374.20	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	75.31	133.88	52.13	133.88	48.95	133.88	46.34	133.88		75.31	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	75.31	207.90	52.13	207.90	48.95	207.90	46.34	207.90		75.31	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	75.31	415.80	52.13	415.80	48.95	415.80	46.34	415.80		75.31	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	4
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	75.31	274.74	52.13	274.74	48.95	274.74	46.34	274.74		75.31	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	111.76	491.40	77.37	491.40	72.65	491.40	68.77	491.40	*4	111.76	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	111.76	632.97	77.37	632.97	72.65	632.97	68.77	632.97		111.76	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	148.21	822.96	102.60	822.96	96.34	822.96	91.20	822.96		148.21	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	262.44	175.14	181.69	175.14	170.60	175.14	161.50	175.14		262.44	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	466.56	350.28	323.00	350.28	303.29	350.28	287.11	350.28		466.56	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	233.28	700.56	161.50	700.56	151.64	700.56	143.56	700.56		233.28	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	262.44	308.70	181.69	308.70	170.60	308.70	161.50	308.70		262.44	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	466.56	580.86	323.00	580.86	303.29	580.86	287.11	580.86		466.56	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	233.28	1161.72	161.50	1161.72	151.64	1161.72	143.56	1161.72		233.28	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	320.76	370.57	222.06	370.57	208.51	370.57	197.39	370.57		320.76	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	641.52	741.20	444.13	741.20	417.02	741.20	394.78	741.20		641.52	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	233.28	1482.39	161.50	1482.39	151.64	1482.39	143.56	1482.39		233.28	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	12.17	69.30	8.43	69.30	7.91	69.30	7.49	69.30		12.17	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	10.94	0.00	7.57	0.00	7.11	0.00	6.73	0.00		10.94	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	13.34	0.00	9.24	0.00	8.67	0.00	8.21	0.00		13.34	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	44.91	0.00	31.09	0.00	29.19	0.00	27.63	0.00		44.91	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	0.81	0.32	0.56	0.32	0.53	0.32	0.50	0.32	0.81	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	0.99	0.64	0.69	0.64	0.65	0.64	0.61	0.64	0.99	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.17	0.95	0.81	0.95	0.76	0.95	0.72	0.95	1.17	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.35	1.27	0.94	1.27	0.88	1.27	0.83	1.27	1.35	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.59	1.06	1.59	1.00	1.59	0.94	1.59	1.53	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.72	1.91	1.19	1.91	1.11	1.91	1.06	1.91	1.72	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.90	2.22	1.31	2.22	1.23	2.22	1.17	2.22	1.90	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.08	2.54	1.44	2.54	1.35	2.54	1.28	2.54	2.08	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.14	0.32	0.79	0.32	0.74	0.32	0.70	0.32	1.14	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.39	0.64	0.96	0.64	0.90	0.64	0.86	0.64	1.39	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.95	1.14	0.95	1.07	0.95	1.01	0.95	1.64	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.90	1.27	1.31	1.27	1.23	1.27	1.17	1.27	1.90	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.15	1.59	1.49	1.59	1.40	1.59	1.32	1.59	2.15	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.40	1.91	1.66	1.91	1.56	1.91	1.48	1.91	2.40	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.65	2.22	1.84	2.22	1.73	2.22	1.63	2.22	2.65	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.91	2.54	2.01	2.54	1.89	2.54	1.79	2.54	2.91	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.81	0.18	0.56	0.18	0.53	0.18	0.50	0.18	0.81	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	0.99	0.35	0.69	0.35	0.65	0.35	0.61	0.35	0.99	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.53	0.81	0.53	0.76	0.53	0.72	0.53	1.17	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.35	0.70	0.94	0.70	0.88	0.70	0.83	0.70	1.35	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.88	1.06	0.88	1.00	0.88	0.94	0.88	1.53	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.72	1.05	1.19	1.05	1.11	1.05	1.06	1.05	1.72	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.90	1.23	1.31	1.23	1.23	1.23	1.17	1.23	1.90	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.08	1.40	1.44	1.40	1.35	1.40	1.28	1.40	2.08	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.14	0.18	0.79	0.18	0.74	0.18	0.70	0.18	1.14	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.39	0.35	0.96	0.35	0.90	0.35	0.86	0.35	1.39	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.53	1.14	0.53	1.07	0.53	1.01	0.53	1.64	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.90	0.70	1.31	0.70	1.23	0.70	1.17	0.70	1.90	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.15	0.88	1.49	0.88	1.40	0.88	1.32	0.88	2.15	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.40	1.05	1.66	1.05	1.56	1.05	1.48	1.05	2.40	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.65	1.23	1.84	1.23	1.73	1.23	1.63	1.23	2.65	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.91	1.40	2.01	1.40	1.89	1.40	1.79	1.40	2.91	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	0.81	0.32	0.56	0.32	0.53	0.32	0.50	0.32	0.81	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	0.99	0.64	0.69	0.64	0.65	0.64	0.61	0.64	0.99	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.17	0.95	0.81	0.95	0.76	0.95	0.72	0.95	1.17	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.35	1.27	0.94	1.27	0.88	1.27	0.83	1.27	1.35	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	1.59	1.06	1.59	1.00	1.59	0.94	1.59	1.53	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.72	1.91	1.19	1.91	1.11	1.91	1.06	1.91	1.72	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.90	2.22	1.31	2.22	1.23	2.22	1.17	2.22	1.90	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.08	2.54	1.44	2.54	1.35	2.54	1.28	2.54	2.08	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.14	0.32	0.79	0.32	0.74	0.32	0.70	0.32	1.14	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.39	0.64	0.96	0.64	0.90	0.64	0.86	0.64	1.39	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.64	0.95	1.14	0.95	1.07	0.95	1.01	0.95	1.64	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.90	1.27	1.31	1.27	1.23	1.27	1.17	1.27	1.90	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.15	1.59	1.49	1.59	1.40	1.59	1.32	1.59	2.15	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.40	1.91	1.66	1.91	1.56	1.91	1.48	1.91	2.40	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.65	2.22	1.84	2.22	1.73	2.22	1.63	2.22	2.65	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.91	2.54	2.01	2.54	1.89	2.54	1.79	2.54	2.91	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	0.81	0.18	0.56	0.18	0.53	0.18	0.50	0.18	0.81	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	0.99	0.35	0.69	0.35	0.65	0.35	0.61	0.35	0.99	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.17	0.53	0.81	0.53	0.76	0.53	0.72	0.53	1.17	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.35	0.70	0.94	0.70	0.88	0.70	0.83	0.70	1.35	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.88	1.06	0.88	1.00	0.88	0.94	0.88	1.53	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.72	1.05	1.19	1.05	1.11	1.05	1.06	1.05	1.72	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.90	1.23	1.31	1.23	1.23	1.23	1.17	1.23	1.90	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.08	1.40	1.44	1.40	1.35	1.40	1.28	1.40	2.08	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.14	0.18	0.79	0.18	0.74	0.18	0.70	0.18	1.14	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.39	0.35	0.96	0.35	0.90	0.35	0.86	0.35	1.39	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.64	0.53	1.14	0.53	1.07	0.53	1.01	0.53	1.64	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.90	0.70	1.31	0.70	1.23	0.70	1.17	0.70	1.90	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.15	0.88	1.49	0.88	1.40	0.88	1.32	0.88	2.15	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.40	1.05	1.66	1.05	1.56	1.05	1.48	1.05	2.40	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.65	1.23	1.84	1.23	1.73	1.23	1.63	1.23	2.65	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.91	1.40	2.01	1.40	1.89	1.40	1.79	1.40	2.91	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	0.90	0.51	0.63	0.51	0.59	0.51	0.56	0.51	0.90	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.08	1.02	0.75	1.02	0.70	1.02	0.67	1.02	1.08	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.26	1.52	0.88	1.52	0.82	1.52	0.78	1.52	1.26	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.44	2.03	1.00	2.03	0.94	2.03	0.89	2.03	1.44	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.63	2.54	1.13	2.54	1.06	2.54	1.00	2.54	1.63	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.81	3.05	1.25	3.05	1.17	3.05	1.11	3.05	1.81	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.99	3.55	1.38	3.55	1.29	3.55	1.22	3.55	1.99	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.17	4.06	1.50	4.06	1.41	4.06	1.33	4.06	2.17	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.26	0.51	0.88	0.51	0.82	0.51	0.78	0.51	1.26	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.52	1.02	1.05	1.02	0.99	1.02	0.93	1.02	1.52	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.77	1.52	1.23	1.52	1.15	1.52	1.09	1.52	1.77	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.02	2.03	1.40	2.03	1.31	2.03	1.24	2.03	2.02	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.28	2.54	1.58	2.54	1.48	2.54	1.40	2.54	2.28	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.53	3.05	1.75	3.05	1.64	3.05	1.56	3.05	2.53	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.78	3.55	1.93	3.55	1.81	3.55	1.71	3.55	2.78	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.03	4.06	2.10	4.06	1.97	4.06	1.87	4.06	3.03	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.90	0.22	0.63	0.22	0.59	0.22	0.56	0.22	0.90	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.08	0.45	0.75	0.45	0.70	0.45	0.67	0.45	1.08	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.26	0.67	0.88	0.67	0.82	0.67	0.78	0.67	1.26	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.44	0.90	1.00	0.90	0.94	0.90	0.89	0.90	1.44	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.63	1.12	1.13	1.12	1.06	1.12	1.00	1.12	1.63	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.81	1.35	1.25	1.35	1.17	1.35	1.11	1.35	1.81	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.99	1.57	1.38	1.57	1.29	1.57	1.22	1.57	1.99	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.17	1.79	1.50	1.79	1.41	1.79	1.33	1.79	2.17	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.26	0.22	0.88	0.22	0.82	0.22	0.78	0.22	1.26	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.52	0.45	1.05	0.45	0.99	0.45	0.93	0.45	1.52	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.77	0.67	1.23	0.67	1.15	0.67	1.09	0.67	1.77	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.02	0.90	1.40	0.90	1.31	0.90	1.24	0.90	2.02	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.28	1.12	1.58	1.12	1.48	1.12	1.40	1.12	2.28	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.53	1.35	1.75	1.35	1.64	1.35	1.56	1.35	2.53	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.78	1.57	1.93	1.57	1.81	1.57	1.71	1.57	2.78	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.03	1.79	2.10	1.79	1.97	1.79	1.87	1.79	3.03	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	1.72	0.51	1.19	0.51	1.11	0.51	1.06	0.51	1.72	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.08	1.02	1.44	1.02	1.35	1.02	1.28	1.02	2.08	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.44	1.52	1.69	1.52	1.58	1.52	1.50	1.52	2.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.80	2.03	1.94	2.03	1.82	2.03	1.72	2.03	2.80	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.16	2.54	2.19	2.54	2.05	2.54	1.94	2.54	3.16	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.52	3.05	2.44	3.05	2.29	3.05	2.17	3.05	3.52	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.88	3.55	2.69	3.55	2.52	3.55	2.39	3.55	3.88	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.24	4.06	2.94	4.06	2.76	4.06	2.61	4.06	4.24	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	2.40	0.51	1.66	0.51	1.56	0.51	1.48	0.51	2.40	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	2.91	1.02	2.01	1.02	1.89	1.02	1.79	1.02	2.91	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.41	1.52	2.36	1.52	2.22	1.52	2.10	1.52	3.41	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.92	2.03	2.71	2.03	2.55	2.03	2.41	2.03	3.92	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.42	2.54	3.06	2.54	2.88	2.54	2.72	2.54	4.42	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.93	3.05	3.41	3.05	3.20	3.05	3.03	3.05	4.93	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.43	3.55	3.76	3.55	3.53	3.55	3.34	3.55	5.43	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.94	4.06	4.11	4.06	3.86	4.06	3.66	4.06	5.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	1.72	0.22	1.19	0.22	1.11	0.22	1.06	0.22	1.72	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.08	0.45	1.44	0.45	1.35	0.45	1.28	0.45	2.08	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.44	0.67	1.69	0.67	1.58	0.67	1.50	0.67	2.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	0.90	1.94	0.90	1.82	0.90	1.72	0.90	2.80	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.16	1.12	2.19	1.12	2.05	1.12	1.94	1.12	3.16	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.52	1.35	2.44	1.35	2.29	1.35	2.17	1.35	3.52	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.88	1.57	2.69	1.57	2.52	1.57	2.39	1.57	3.88	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.24	1.79	2.94	1.79	2.76	1.79	2.61	1.79	4.24	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.40	0.22	1.66	0.22	1.56	0.22	1.48	0.22	2.40	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.91	0.45	2.01	0.45	1.89	0.45	1.79	0.45	2.91	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.41	0.67	2.36	0.67	2.22	0.67	2.10	0.67	3.41	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	0.90	2.71	0.90	2.55	0.90	2.41	0.90	3.92	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.42	1.12	3.06	1.12	2.88	1.12	2.72	1.12	4.42	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.93	1.35	3.41	1.35	3.20	1.35	3.03	1.35	4.93	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.43	1.57	3.76	1.57	3.53	1.57	3.34	1.57	5.43	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.94	1.79	4.11	1.79	3.86	1.79	3.66	1.79	5.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	0.99	0.77	0.69	0.77	0.65	0.77	0.61	0.77	0.99	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.17	1.53	0.81	1.53	0.76	1.53	0.72	1.53	1.17	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.35	2.30	0.94	2.30	0.88	2.30	0.83	2.30	1.35	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	3.06	1.06	3.06	1.00	3.06	0.94	3.06	1.53	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.72	3.83	1.19	3.83	1.11	3.83	1.06	3.83	1.72	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.90	4.60	1.31	4.60	1.23	4.60	1.17	4.60	1.90	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.08	5.36	1.44	5.36	1.35	5.36	1.28	5.36	2.08	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.26	6.13	1.56	6.13	1.47	6.13	1.39	6.13	2.26	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.39	0.77	0.96	0.77	0.90	0.77	0.86	0.77	1.39	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.64	1.53	1.14	1.53	1.07	1.53	1.01	1.53	1.64	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.90	2.30	1.31	2.30	1.23	2.30	1.17	2.30	1.90	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.15	3.06	1.49	3.06	1.40	3.06	1.32	3.06	2.15	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.40	3.83	1.66	3.83	1.56	3.83	1.48	3.83	2.40	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.65	4.60	1.84	4.60	1.73	4.60	1.63	4.60	2.65	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.91	5.36	2.01	5.36	1.89	5.36	1.79	5.36	2.91	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.16	6.13	2.19	6.13	2.05	6.13	1.94	6.13	3.16	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	0.99	0.33	0.69	0.33	0.65	0.33	0.61	0.33	0.99	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.65	0.81	0.65	0.76	0.65	0.72	0.65	1.17	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.35	0.98	0.94	0.98	0.88	0.98	0.83	0.98	1.35	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	1.30	1.06	1.30	1.00	1.30	0.94	1.30	1.53	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.72	1.63	1.19	1.63	1.11	1.63	1.06	1.63	1.72	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.90	1.95	1.31	1.95	1.23	1.95	1.17	1.95	1.90	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.08	2.28	1.44	2.28	1.35	2.28	1.28	2.28	2.08	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.26	2.60	1.56	2.60	1.47	2.60	1.39	2.60	2.26	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.39	0.33	0.96	0.33	0.90	0.33	0.86	0.33	1.39	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.65	1.14	0.65	1.07	0.65	1.01	0.65	1.64	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.90	0.98	1.31	0.98	1.23	0.98	1.17	0.98	1.90	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.15	1.30	1.49	1.30	1.40	1.30	1.32	1.30	2.15	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.40	1.63	1.66	1.63	1.56	1.63	1.48	1.63	2.40	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.65	1.95	1.84	1.95	1.73	1.95	1.63	1.95	2.65	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.91	2.28	2.01	2.28	1.89	2.28	1.79	2.28	2.91	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.16	2.60	2.19	2.60	2.05	2.60	1.94	2.60	3.16	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.17	1.53	1.50	1.53	1.41	1.53	1.33	1.53	2.17	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.53	2.30	1.75	2.30	1.64	2.30	1.56	2.30	2.53	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.89	3.06	2.00	3.06	1.88	3.06	1.78	3.06	2.89	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.25	3.83	2.25	3.83	2.11	3.83	2.00	3.83	3.25	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.61	4.60	2.50	4.60	2.35	4.60	2.22	4.60	3.61	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.97	5.36	2.75	5.36	2.58	5.36	2.44	5.36	3.97	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.33	6.13	3.00	6.13	2.82	6.13	2.67	6.13	4.33	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	2.53	0.77	1.75	0.77	1.64	0.77	1.56	0.77	2.53	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.03	1.53	2.10	1.53	1.97	1.53	1.87	1.53	3.03	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.54	2.30	2.45	2.30	2.30	2.30	2.18	2.30	3.54	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.04	3.06	2.80	3.06	2.63	3.06	2.49	3.06	4.04	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.55	3.83	3.15	3.83	2.96	3.83	2.80	3.83	4.55	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.06	4.60	3.50	4.60	3.29	4.60	3.11	4.60	5.06	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.56	5.36	3.85	5.36	3.61	5.36	3.42	5.36	5.56	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.07	6.13	4.20	6.13	3.94	6.13	3.73	6.13	6.07	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.17	0.65	1.50	0.65	1.41	0.65	1.33	0.65	2.17	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.53	0.98	1.75	0.98	1.64	0.98	1.56	0.98	2.53	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.89	1.30	2.00	1.30	1.88	1.30	1.78	1.30	2.89	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.25	1.63	2.25	1.63	2.11	1.63	2.00	1.63	3.25	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.61	1.95	2.50	1.95	2.35	1.95	2.22	1.95	3.61	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.97	2.28	2.75	2.28	2.58	2.28	2.44	2.28	3.97	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.33	2.60	3.00	2.60	2.82	2.60	2.67	2.60	4.33	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	2.53	0.33	1.75	0.33	1.64	0.33	1.56	0.33	2.53	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.03	0.65	2.10	0.65	1.97	0.65	1.87	0.65	3.03	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.54	0.98	2.45	0.98	2.30	0.98	2.18	0.98	3.54	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.04	1.30	2.80	1.30	2.63	1.30	2.49	1.30	4.04	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.55	1.63	3.15	1.63	2.96	1.63	2.80	1.63	4.55	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.06	1.95	3.50	1.95	3.29	1.95	3.11	1.95	5.06	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.56	2.28	3.85	2.28	3.61	2.28	3.42	2.28	5.56	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.07	2.60	4.20	2.60	3.94	2.60	3.73	2.60	6.07	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Duplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Triplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Quadplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Sixplex Outlet	2.01	1.64	1.39	1.64	1.30	1.64	1.23	1.64		2.01	1.64
1	Modular Faceplate Eightplex Outlet	2.01	4.17	1.39	4.17	1.30	4.17	1.23	4.17		2.01	4.17
1	Modular Faceplate Tenplex Outlet	4.01	4.17	2.78	4.17	2.61	4.17	2.47	4.17	*1	4.01	4.17
1	Modular Furniture Faceplate Duplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31	*2	4.07	2.31
1	Modular Furniture Faceplate Triplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31		4.07	2.31
1	Modular Furniture Faceplate Quadplex Outlet	4.07	2.31	2.82	2.31	2.65	2.31	2.50	2.31		4.07	2.31
1	Surface Mount Box (2 Outlet)	8.08	3.06	5.59	3.06	5.25	3.06	4.97	3.06		8.08	3.06
1	Surface Mount Box (4 Outlet)	8.08	3.63	5.59	3.63	5.25	3.63	4.97	3.63		8.08	3.63
1	Surface Mount Box (6 Outlet)	8.08	8.96	5.59	8.96	5.25	8.96	4.97	8.96		8.08	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	8.08	4.89	5.59	4.89	5.25	4.89	4.97	4.89		8.08	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	8.08	8.72	5.59	8.72	5.25	8.72	4.97	8.72		8.08	8.72
1	Floor Monument Single Duplex Opening	5.04	40.96	3.49	40.96	3.28	40.96	3.10	40.96		5.04	40.96
1	Floor Monument Double Duplex Opening	5.04	47.23	3.49	47.23	3.28	47.23	3.10	47.23		5.04	47.23
1	Wall Mount Faceplate 630b	10.15	16.29	7.02	16.29	6.59	16.29	6.24	16.29		10.15	16.29
1	110 Type Wiring Block 25 Pair	34.45	6.43	23.85	6.43	22.39	6.43	21.20	6.43		34.45	6.43
1	110 Type Wiring Block 50 Pair	58.75	7.69	40.67	7.69	38.18	7.69	36.15	7.69		58.75	7.69
1	110 Type Wiring Block 100 Pair	112.39	13.29	77.81	13.29	73.05	13.29	69.16	13.29		112.39	13.29
1	110 Type Wiring Block 300 Pair	311.83	31.35	215.88	31.35	202.68	31.35	191.90	31.35		311.83	31.35
1	110 Type Connecting Block - 3 Pair	2.01	0.56	1.39	0.56	1.30	0.56	1.23	0.56		2.01	0.56
1	110 Type Connecting Block - 4 Pair	2.01	0.74	1.39	0.74	1.30	0.74	1.23	0.74		2.01	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	5

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.01	0.81	1.39	0.81	1.30	0.81	1.23	0.81		2.01	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	58.75	15.93	40.67	15.93	38.18	15.93	36.15	15.93		58.75	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	112.39	15.93	77.81	15.93	73.05	15.93	69.16	15.93		112.39	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	311.83	37.49	215.88	37.49	202.68	37.49	191.90	37.49		311.83	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	62.76	133.88	43.45	133.88	40.79	133.88	38.62	133.88		62.76	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	62.76	207.90	43.45	207.90	40.79	207.90	38.62	207.90		62.76	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	62.76	415.80	43.45	415.80	40.79	415.80	38.62	415.80		62.76	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	5
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	62.76	274.74	43.45	274.74	40.79	274.74	38.62	274.74		62.76	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	93.13	491.40	64.47	491.40	60.53	491.40	57.31	491.40	*4	93.13	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	93.13	632.97	64.47	632.97	60.53	632.97	57.31	632.97		93.13	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	123.51	822.96	85.50	822.96	80.27	822.96	76.00	822.96		123.51	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	218.70	175.14	151.41	175.14	142.15	175.14	134.58	175.14		218.70	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	388.80	350.28	269.17	350.28	252.71	350.28	239.26	350.28		388.80	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	194.40	700.56	134.58	700.56	126.35	700.56	119.63	700.56		194.40	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	218.70	308.70	151.41	308.70	142.15	308.70	134.58	308.70		218.70	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	388.80	580.86	269.17	580.86	252.71	580.86	239.26	580.86		388.80	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	194.40	1161.72	134.58	1161.72	126.35	1161.72	119.63	1161.72		194.40	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	267.30	370.57	185.05	370.57	173.74	370.57	164.49	370.57		267.30	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	534.60	741.20	370.11	741.20	347.47	741.20	328.98	741.20		534.60	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	194.40	1482.39	134.58	1482.39	126.35	1482.39	119.63	1482.39		194.40	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	10.15	69.30	7.02	69.30	6.59	69.30	6.24	69.30		10.15	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	9.11	0.00	6.31	0.00	5.92	0.00	5.61	0.00		9.11	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	9.11	0.00	6.31	0.00	5.92	0.00	5.61	0.00		9.11	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	11.12	0.00	7.70	0.00	7.23	0.00	6.84	0.00		11.12	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	37.42	0.00	25.91	0.00	24.32	0.00	23.03	0.00		37.42	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.06	0.32	0.73	0.32	0.69	0.32	0.65	0.32	1.06	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.29	0.64	0.89	0.64	0.84	0.64	0.79	0.64	1.29	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.53	0.95	1.06	0.95	0.99	0.95	0.94	0.95	1.53	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.76	1.27	1.22	1.27	1.14	1.27	1.08	1.27	1.76	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.00	1.59	1.38	1.59	1.30	1.59	1.23	1.59	2.00	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.23	1.91	1.54	1.91	1.45	1.91	1.37	1.91	2.23	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.46	2.22	1.71	2.22	1.60	2.22	1.52	2.22	2.46	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.70	2.54	1.87	2.54	1.75	2.54	1.66	2.54	2.70	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.48	0.32	1.02	0.32	0.96	0.32	0.91	0.32	1.48	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.81	0.64	1.25	0.64	1.17	0.64	1.11	0.64	1.81	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.14	0.95	1.48	0.95	1.39	0.95	1.31	0.95	2.14	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.46	1.27	1.71	1.27	1.60	1.27	1.52	1.27	2.46	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.79	1.59	1.93	1.59	1.82	1.59	1.72	1.59	2.79	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.12	1.91	2.16	1.91	2.03	1.91	1.92	1.91	3.12	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.45	2.22	2.39	2.22	2.24	2.22	2.12	2.22	3.45	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.78	2.54	2.62	2.54	2.46	2.54	2.33	2.54	3.78	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.06	0.18	0.73	0.18	0.69	0.18	0.65	0.18	1.06	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.29	0.35	0.89	0.35	0.84	0.35	0.79	0.35	1.29	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.53	0.53	1.06	0.53	0.99	0.53	0.94	0.53	1.53	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.76	0.70	1.22	0.70	1.14	0.70	1.08	0.70	1.76	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.00	0.88	1.38	0.88	1.30	0.88	1.23	0.88	2.00	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.23	1.05	1.54	1.05	1.45	1.05	1.37	1.05	2.23	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.46	1.23	1.71	1.23	1.60	1.23	1.52	1.23	2.46	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	1.40	1.87	1.40	1.75	1.40	1.66	1.40	2.70	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.48	0.18	1.02	0.18	0.96	0.18	0.91	0.18	1.48	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.81	0.35	1.25	0.35	1.17	0.35	1.11	0.35	1.81	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.14	0.53	1.48	0.53	1.39	0.53	1.31	0.53	2.14	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.46	0.70	1.71	0.70	1.60	0.70	1.52	0.70	2.46	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.79	0.88	1.93	0.88	1.82	0.88	1.72	0.88	2.79	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.12	1.05	2.16	1.05	2.03	1.05	1.92	1.05	3.12	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.45	1.23	2.39	1.23	2.24	1.23	2.12	1.23	3.45	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	1.40	2.62	1.40	2.46	1.40	2.33	1.40	3.78	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.17	0.51	0.81	0.51	0.76	0.51	0.72	0.51	1.17	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.41	1.02	0.98	1.02	0.92	1.02	0.87	1.02	1.41	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.64	1.52	1.14	1.52	1.07	1.52	1.01	1.52	1.64	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.88	2.03	1.30	2.03	1.22	2.03	1.16	2.03	1.88	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.11	2.54	1.46	2.54	1.37	2.54	1.30	2.54	2.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.35	3.05	1.63	3.05	1.53	3.05	1.44	3.05	2.35	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.58	3.55	1.79	3.55	1.68	3.55	1.59	3.55	2.58	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.82	4.06	1.95	4.06	1.83	4.06	1.73	4.06	2.82	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.64	0.51	1.14	0.51	1.07	0.51	1.01	0.51	1.64	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.97	1.02	1.37	1.02	1.28	1.02	1.21	1.02	1.97	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.30	1.52	1.59	1.52	1.50	1.52	1.42	1.52	2.30	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.63	2.03	1.82	2.03	1.71	2.03	1.62	2.03	2.63	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.96	2.54	2.05	2.54	1.92	2.54	1.82	2.54	2.96	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.29	3.05	2.28	3.05	2.14	3.05	2.02	3.05	3.29	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.61	3.55	2.50	3.55	2.35	3.55	2.22	3.55	3.61	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.94	4.06	2.73	4.06	2.56	4.06	2.43	4.06	3.94	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.17	0.22	0.81	0.22	0.76	0.22	0.72	0.22	1.17	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.41	0.45	0.98	0.45	0.92	0.45	0.87	0.45	1.41	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.64	0.67	1.14	0.67	1.07	0.67	1.01	0.67	1.64	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.88	0.90	1.30	0.90	1.22	0.90	1.16	0.90	1.88	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.11	1.12	1.46	1.12	1.37	1.12	1.30	1.12	2.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.35	1.35	1.63	1.35	1.53	1.35	1.44	1.35	2.35	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.58	1.57	1.79	1.57	1.68	1.57	1.59	1.57	2.58	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.82	1.79	1.95	1.79	1.83	1.79	1.73	1.79	2.82	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.64	0.22	1.14	0.22	1.07	0.22	1.01	0.22	1.64	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.97	0.45	1.37	0.45	1.28	0.45	1.21	0.45	1.97	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.30	0.67	1.59	0.67	1.50	0.67	1.42	0.67	2.30	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.63	0.90	1.82	0.90	1.71	0.90	1.62	0.90	2.63	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.96	1.12	2.05	1.12	1.92	1.12	1.82	1.12	2.96	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.29	1.35	2.28	1.35	2.14	1.35	2.02	1.35	3.29	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.61	1.57	2.50	1.57	2.35	1.57	2.22	1.57	3.61	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.94	1.79	2.73	1.79	2.56	1.79	2.43	1.79	3.94	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.23	0.51	1.54	0.51	1.45	0.51	1.37	0.51	2.23	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.70	1.02	1.87	1.02	1.75	1.02	1.66	1.02	2.70	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.17	1.52	2.19	1.52	2.06	1.52	1.95	1.52	3.17	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.64	2.03	2.52	2.03	2.36	2.03	2.24	2.03	3.64	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.11	2.54	2.84	2.54	2.67	2.54	2.53	2.54	4.11	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.58	3.05	3.17	3.05	2.98	3.05	2.82	3.05	4.58	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.05	3.55	3.49	3.55	3.28	3.55	3.11	3.55	5.05	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.52	4.06	3.82	4.06	3.59	4.06	3.39	4.06	5.52	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.12	0.51	2.16	0.51	2.03	0.51	1.92	0.51	3.12	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.78	1.02	2.62	1.02	2.46	1.02	2.33	1.02	3.78	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.44	1.52	3.07	1.52	2.88	1.52	2.73	1.52	4.44	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.09	2.03	3.53	2.03	3.31	2.03	3.13	2.03	5.09	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.75	2.54	3.98	2.54	3.74	2.54	3.54	2.54	5.75	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.41	3.05	4.44	3.05	4.17	3.05	3.94	3.05	6.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.07	3.55	4.89	3.55	4.59	3.55	4.35	3.55	7.07	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.72	4.06	5.35	4.06	5.02	4.06	4.75	4.06	7.72	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.23	0.22	1.54	0.22	1.45	0.22	1.37	0.22	2.23	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.70	0.45	1.87	0.45	1.75	0.45	1.66	0.45	2.70	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.17	0.67	2.19	0.67	2.06	0.67	1.95	0.67	3.17	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.64	0.90	2.52	0.90	2.36	0.90	2.24	0.90	3.64	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.11	1.12	2.84	1.12	2.67	1.12	2.53	1.12	4.11	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.58	1.35	3.17	1.35	2.98	1.35	2.82	1.35	4.58	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.05	1.57	3.49	1.57	3.28	1.57	3.11	1.57	5.05	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.52	1.79	3.82	1.79	3.59	1.79	3.39	1.79	5.52	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.12	0.22	2.16	0.22	2.03	0.22	1.92	0.22	3.12	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.78	0.45	2.62	0.45	2.46	0.45	2.33	0.45	3.78	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.44	0.67	3.07	0.67	2.88	0.67	2.73	0.67	4.44	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.09	0.90	3.53	0.90	3.31	0.90	3.13	0.90	5.09	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.75	1.12	3.98	1.12	3.74	1.12	3.54	1.12	5.75	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.41	1.35	4.44	1.35	4.17	1.35	3.94	1.35	6.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.07	1.57	4.89	1.57	4.59	1.57	4.35	1.57	7.07	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.72	1.79	5.35	1.79	5.02	1.79	4.75	1.79	7.72	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.29	0.77	0.89	0.77	0.84	0.77	0.79	0.77	1.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.53	1.53	1.06	1.53	0.99	1.53	0.94	1.53	1.53	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.76	2.30	1.22	2.30	1.14	2.30	1.08	2.30	1.76	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.00	3.06	1.38	3.06	1.30	3.06	1.23	3.06	2.00	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.23	3.83	1.54	3.83	1.45	3.83	1.37	3.83	2.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.46	4.60	1.71	4.60	1.60	4.60	1.52	4.60	2.46	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.70	5.36	1.87	5.36	1.75	5.36	1.66	5.36	2.70	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	6.13	2.03	6.13	1.91	6.13	1.81	6.13	2.93	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.81	0.77	1.25	0.77	1.17	0.77	1.11	0.77	1.81	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.14	1.53	1.48	1.53	1.39	1.53	1.31	1.53	2.14	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.46	2.30	1.71	2.30	1.60	2.30	1.52	2.30	2.46	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.79	3.06	1.93	3.06	1.82	3.06	1.72	3.06	2.79	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.12	3.83	2.16	3.83	2.03	3.83	1.92	3.83	3.12	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.45	4.60	2.39	4.60	2.24	4.60	2.12	4.60	3.45	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.78	5.36	2.62	5.36	2.46	5.36	2.33	5.36	3.78	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.11	6.13	2.84	6.13	2.67	6.13	2.53	6.13	4.11	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.29	0.33	0.89	0.33	0.84	0.33	0.79	0.33	1.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.53	0.65	1.06	0.65	0.99	0.65	0.94	0.65	1.53	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.76	0.98	1.22	0.98	1.14	0.98	1.08	0.98	1.76	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.00	1.30	1.38	1.30	1.30	1.30	1.23	1.30	2.00	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.23	1.63	1.54	1.63	1.45	1.63	1.37	1.63	2.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.46	1.95	1.71	1.95	1.60	1.95	1.52	1.95	2.46	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.70	2.28	1.87	2.28	1.75	2.28	1.66	2.28	2.70	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	2.60	2.03	2.60	1.91	2.60	1.81	2.60	2.93	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.81	0.33	1.25	0.33	1.17	0.33	1.11	0.33	1.81	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.14	0.65	1.48	0.65	1.39	0.65	1.31	0.65	2.14	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.46	0.98	1.71	0.98	1.60	0.98	1.52	0.98	2.46	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.79	1.30	1.93	1.30	1.82	1.30	1.72	1.30	2.79	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.12	1.63	2.16	1.63	2.03	1.63	1.92	1.63	3.12	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.45	1.95	2.39	1.95	2.24	1.95	2.12	1.95	3.45	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.78	2.28	2.62	2.28	2.46	2.28	2.33	2.28	3.78	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.11	2.60	2.84	2.60	2.67	2.60	2.53	2.60	4.11	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.35	0.77	1.63	0.77	1.53	0.77	1.44	0.77	2.35	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.82	1.53	1.95	1.53	1.83	1.53	1.73	1.53	2.82	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.29	2.30	2.28	2.30	2.14	2.30	2.02	2.30	3.29	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.76	3.06	2.60	3.06	2.44	3.06	2.31	3.06	3.76	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.23	3.83	2.93	3.83	2.75	3.83	2.60	3.83	4.23	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.69	4.60	3.25	4.60	3.05	4.60	2.89	4.60	4.69	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.16	5.36	3.58	5.36	3.36	5.36	3.18	5.36	5.16	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.63	6.13	3.90	6.13	3.66	6.13	3.47	6.13	5.63	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.29	0.77	2.28	0.77	2.14	0.77	2.02	0.77	3.29	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	3.94	1.53	2.73	1.53	2.56	1.53	2.43	1.53	3.94	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.60	2.30	3.19	2.30	2.99	2.30	2.83	2.30	4.60	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.26	3.06	3.64	3.06	3.42	3.06	3.24	3.06	5.26	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.92	3.83	4.10	3.83	3.84	3.83	3.64	3.83	5.92	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.57	4.60	4.55	4.60	4.27	4.60	4.04	4.60	6.57	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.23	5.36	5.01	5.36	4.70	5.36	4.45	5.36	7.23	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.89	6.13	5.46	6.13	5.13	6.13	4.85	6.13	7.89	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.35	0.33	1.63	0.33	1.53	0.33	1.44	0.33	2.35	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.82	0.65	1.95	0.65	1.83	0.65	1.73	0.65	2.82	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.98	2.28	0.98	2.14	0.98	2.02	0.98	3.29	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.76	1.30	2.60	1.30	2.44	1.30	2.31	1.30	3.76	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.23	1.63	2.93	1.63	2.75	1.63	2.60	1.63	4.23	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.69	1.95	3.25	1.95	3.05	1.95	2.89	1.95	4.69	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.16	2.28	3.58	2.28	3.36	2.28	3.18	2.28	5.16	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.63	2.60	3.90	2.60	3.66	2.60	3.47	2.60	5.63	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.29	0.33	2.28	0.33	2.14	0.33	2.02	0.33	3.29	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.94	0.65	2.73	0.65	2.56	0.65	2.43	0.65	3.94	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.60	0.98	3.19	0.98	2.99	0.98	2.83	0.98	4.60	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.26	1.30	3.64	1.30	3.42	1.30	3.24	1.30	5.26	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.92	1.63	4.10	1.63	3.84	1.63	3.64	1.63	5.92	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.57	1.95	4.55	1.95	4.27	1.95	4.04	1.95	6.57	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.23	2.28	5.01	2.28	4.70	2.28	4.45	2.28	7.23	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.89	2.60	5.46	2.60	5.13	2.60	4.85	2.60	7.89	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Duplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Triplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Quadplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Sixplex Outlet	2.61	1.64	1.80	1.64	1.69	1.64	1.60	1.64		2.61	1.64
1	Modular Faceplate Eightplex Outlet	2.61	4.17	1.80	4.17	1.69	4.17	1.60	4.17		2.61	4.17
1	Modular Faceplate Tenplex Outlet	5.21	4.17	3.61	4.17	3.39	4.17	3.21	4.17	*1	5.21	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31	*2	5.29	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.29	2.31	3.66	2.31	3.44	2.31	3.26	2.31		5.29	2.31
1	Surface Mount Box (2 Outlet)	10.50	3.06	7.27	3.06	6.83	3.06	6.46	3.06		10.50	3.06
1	Surface Mount Box (4 Outlet)	10.50	3.63	7.27	3.63	6.83	3.63	6.46	3.63		10.50	3.63
1	Surface Mount Box (6 Outlet)	10.50	8.96	7.27	8.96	6.83	8.96	6.46	8.96		10.50	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.50	4.89	7.27	4.89	6.83	4.89	6.46	4.89		10.50	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.50	8.72	7.27	8.72	6.83	8.72	6.46	8.72		10.50	8.72
1	Floor Monument Single Duplex Opening	6.56	40.96	4.54	40.96	4.26	40.96	4.03	40.96		6.56	40.96
1	Floor Monument Double Duplex Opening	6.56	47.23	4.54	47.23	4.26	47.23	4.03	47.23		6.56	47.23
1	Wall Mount Faceplate 630b	13.19	16.29	9.13	16.29	8.57	16.29	8.12	16.29		13.19	16.29
1	110 Type Wiring Block 25 Pair	44.78	6.43	31.00	6.43	29.11	6.43	27.56	6.43		44.78	6.43
1	110 Type Wiring Block 50 Pair	76.37	7.69	52.87	7.69	49.64	7.69	46.99	7.69		76.37	7.69
1	110 Type Wiring Block 100 Pair	146.10	13.29	101.15	13.29	94.97	13.29	89.91	13.29		146.10	13.29
1	110 Type Wiring Block 300 Pair	405.38	31.35	280.65	31.35	263.50	31.35	249.45	31.35		405.38	31.35
1	110 Type Connecting Block - 3 Pair	2.61	0.56	1.80	0.56	1.69	0.56	1.60	0.56		2.61	0.56
1	110 Type Connecting Block - 4 Pair	2.61	0.74	1.80	0.74	1.69	0.74	1.60	0.74		2.61	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	6

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.61	0.81	1.80	0.81	1.69	0.81	1.60	0.81		2.61	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	76.37	15.93	52.87	15.93	49.64	15.93	46.99	15.93		76.37	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	146.10	15.93	101.15	15.93	94.97	15.93	89.91	15.93		146.10	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	405.38	37.49	280.65	37.49	263.50	37.49	249.45	37.49		405.38	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	81.58	133.88	56.48	133.88	53.03	133.88	50.20	133.88		81.58	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	81.58	207.90	56.48	207.90	53.03	207.90	50.20	207.90		81.58	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	81.58	415.80	56.48	415.80	53.03	415.80	50.20	415.80		81.58	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	6
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	81.58	274.74	56.48	274.74	53.03	274.74	50.20	274.74		81.58	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	121.07	491.40	83.82	491.40	78.70	491.40	74.50	491.40	*4	121.07	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	121.07	632.97	83.82	632.97	78.70	632.97	74.50	632.97		121.07	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	160.56	822.96	111.16	822.96	104.36	822.96	98.80	822.96		160.56	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	284.31	175.14	196.83	175.14	184.80	175.14	174.95	175.14		284.31	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	505.44	350.28	349.93	350.28	328.54	350.28	311.03	350.28		505.44	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	252.72	700.56	174.96	700.56	164.27	700.56	155.51	700.56		252.72	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	284.31	308.70	196.83	308.70	184.80	308.70	174.95	308.70		284.31	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	505.44	580.86	349.93	580.86	328.54	580.86	311.03	580.86		505.44	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	252.72	1161.72	174.96	1161.72	164.27	1161.72	155.51	1161.72		252.72	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	347.49	370.57	240.58	370.57	225.87	370.57	213.83	370.57		347.49	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	694.98	741.20	481.15	741.20	451.74	741.20	427.66	741.20		694.98	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	252.72	1482.39	174.96	1482.39	164.27	1482.39	155.51	1482.39		252.72	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.19	69.30	9.13	69.30	8.57	69.30	8.12	69.30		13.19	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	11.85	0.00	8.20	0.00	7.70	0.00	7.29	0.00		11.85	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	14.45	0.00	10.01	0.00	9.39	0.00	8.89	0.00		14.45	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	48.65	0.00	33.68	0.00	31.62	0.00	29.94	0.00		48.65	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Flush Mount	1.10	0.32	0.76	0.32	0.71	0.32	0.68	0.32	1.10	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.34	0.64	0.93	0.64	0.87	0.64	0.83	0.64	1.34	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.58	0.95	1.10	0.95	1.03	0.95	0.98	0.95	1.58	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	1.83	1.27	1.27	1.27	1.19	1.27	1.13	1.27	1.83	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.07	1.59	1.43	1.59	1.35	1.59	1.28	1.59	2.07	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.32	1.91	1.60	1.91	1.51	1.91	1.43	1.91	2.32	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.56	2.22	1.77	2.22	1.66	2.22	1.58	2.22	2.56	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Flush Mount	2.80	2.54	1.94	2.54	1.82	2.54	1.73	2.54	2.80	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.54	0.32	1.06	0.32	1.00	0.32	0.95	0.32	1.54	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	1.88	0.64	1.30	0.64	1.22	0.64	1.16	0.64	1.88	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.22	0.95	1.54	0.95	1.44	0.95	1.37	0.95	2.22	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.56	1.27	1.77	1.27	1.66	1.27	1.58	1.27	2.56	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.90	1.59	2.01	1.59	1.89	1.59	1.79	1.59	2.90	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.24	1.91	2.24	1.91	2.11	1.91	2.00	1.91	3.24	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.58	2.22	2.48	2.22	2.33	2.22	2.21	2.22	3.58	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.92	2.54	2.72	2.54	2.55	2.54	2.42	2.54	3.92	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.10	0.18	0.76	0.18	0.71	0.18	0.68	0.18	1.10	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.34	0.35	0.93	0.35	0.87	0.35	0.83	0.35	1.34	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.58	0.53	1.10	0.53	1.03	0.53	0.98	0.53	1.58	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.83	0.70	1.27	0.70	1.19	0.70	1.13	0.70	1.83	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.07	0.88	1.43	0.88	1.35	0.88	1.28	0.88	2.07	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.32	1.05	1.60	1.05	1.51	1.05	1.43	1.05	2.32	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.56	1.23	1.77	1.23	1.66	1.23	1.58	1.23	2.56	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.80	1.40	1.94	1.40	1.82	1.40	1.73	1.40	2.80	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.54	0.18	1.06	0.18	1.00	0.18	0.95	0.18	1.54	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.88	0.35	1.30	0.35	1.22	0.35	1.16	0.35	1.88	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.22	0.53	1.54	0.53	1.44	0.53	1.37	0.53	2.22	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.56	0.70	1.77	0.70	1.66	0.70	1.58	0.70	2.56	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.90	0.88	2.01	0.88	1.89	0.88	1.79	0.88	2.90	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.24	1.05	2.24	1.05	2.11	1.05	2.00	1.05	3.24	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.58	1.23	2.48	1.23	2.33	1.23	2.21	1.23	3.58	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.92	1.40	2.72	1.40	2.55	1.40	2.42	1.40	3.92	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Monument Mount	1.10	0.32	0.76	0.32	0.71	0.32	0.68	0.32	1.10	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.34	0.64	0.93	0.64	0.87	0.64	0.83	0.64	1.34	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.58	0.95	1.10	0.95	1.03	0.95	0.98	0.95	1.58	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Monument Mount	1.83	1.27	1.27	1.27	1.19	1.27	1.13	1.27	1.83	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.07	1.59	1.43	1.59	1.35	1.59	1.28	1.59	2.07	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.32	1.91	1.60	1.91	1.51	1.91	1.43	1.91	2.32	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.56	2.22	1.77	2.22	1.66	2.22	1.58	2.22	2.56	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Monument Mount	2.80	2.54	1.94	2.54	1.82	2.54	1.73	2.54	2.80	2.54
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Plenum / Floor Duct / Mod. Furniture	1.54	0.32	1.06	0.32	1.00	0.32	0.95	0.32	1.54	0.32
1	Drops		^	^								
1	2 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	1.88	0.64	1.30	0.64	1.22	0.64	1.16	0.64	1.88	0.64
1	Drops		^	^								
1	3 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.22	0.95	1.54	0.95	1.44	0.95	1.37	0.95	2.22	0.95
1	Drops		^	^								
1	4 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.56	1.27	1.77	1.27	1.66	1.27	1.58	1.27	2.56	1.27
1	Drops		^	^								
1	5 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	2.90	1.59	2.01	1.59	1.89	1.59	1.79	1.59	2.90	1.59
1	Drops		^	^								
1	6 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.24	1.91	2.24	1.91	2.11	1.91	2.00	1.91	3.24	1.91
1	Drops		^	^								
1	7 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.58	2.22	2.48	2.22	2.33	2.22	2.21	2.22	3.58	2.22
1	Drops		^	^								
1	8 cat 5E Cables	Plenum / Floor Duct / Mod. Furniture	3.92	2.54	2.72	2.54	2.55	2.54	2.42	2.54	3.92	2.54
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Monument Mount	1.10	0.18	0.76	0.18	0.71	0.18	0.68	0.18	1.10	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.34	0.35	0.93	0.35	0.87	0.35	0.83	0.35	1.34	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.58	0.53	1.10	0.53	1.03	0.53	0.98	0.53	1.58	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	1.83	0.70	1.27	0.70	1.19	0.70	1.13	0.70	1.83	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.07	0.88	1.43	0.88	1.35	0.88	1.28	0.88	2.07	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.32	1.05	1.60	1.05	1.51	1.05	1.43	1.05	2.32	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.56	1.23	1.77	1.23	1.66	1.23	1.58	1.23	2.56	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	1.40	1.94	1.40	1.82	1.40	1.73	1.40	2.80	1.40
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 5E Cable	Non-Plenum / Floor Duct / Mod. Furniture	1.54	0.18	1.06	0.18	1.00	0.18	0.95	0.18	1.54	0.18
1	Drops		^	^								
1	2 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	1.88	0.35	1.30	0.35	1.22	0.35	1.16	0.35	1.88	0.35
1	Drops		^	^								
1	3 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.22	0.53	1.54	0.53	1.44	0.53	1.37	0.53	2.22	0.53
1	Drops		^	^								
1	4 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.56	0.70	1.77	0.70	1.66	0.70	1.58	0.70	2.56	0.70
1	Drops		^	^								
1	5 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	2.90	0.88	2.01	0.88	1.89	0.88	1.79	0.88	2.90	0.88
1	Drops		^	^								
1	6 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.24	1.05	2.24	1.05	2.11	1.05	2.00	1.05	3.24	1.05
1	Drops		^	^								
1	7 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.58	1.23	2.48	1.23	2.33	1.23	2.21	1.23	3.58	1.23
1	Drops		^	^								
1	8 cat 5E Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	1.40	2.72	1.40	2.55	1.40	2.42	1.40	3.92	1.40
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Flush Mount	1.22	0.51	0.84	0.51	0.79	0.51	0.75	0.51	1.22	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.46	1.02	1.01	1.02	0.95	1.02	0.90	1.02	1.46	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.71	1.52	1.18	1.52	1.11	1.52	1.05	1.52	1.71	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	1.95	2.03	1.35	2.03	1.27	2.03	1.20	2.03	1.95	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.19	2.54	1.52	2.54	1.43	2.54	1.35	2.54	2.19	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.44	3.05	1.69	3.05	1.58	3.05	1.50	3.05	2.44	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.68	3.55	1.86	3.55	1.74	3.55	1.65	3.55	2.68	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Flush Mount	2.93	4.06	2.03	4.06	1.90	4.06	1.80	4.06	2.93	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.71	0.51	1.18	0.51	1.11	0.51	1.05	0.51	1.71	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.05	1.02	1.42	1.02	1.33	1.02	1.26	1.02	2.05	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.39	1.52	1.65	1.52	1.55	1.52	1.47	1.52	2.39	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.73	2.03	1.89	2.03	1.77	2.03	1.68	2.03	2.73	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.07	2.54	2.13	2.54	2.00	2.54	1.89	2.54	3.07	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.41	3.05	2.36	3.05	2.22	3.05	2.10	3.05	3.41	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.75	3.55	2.60	3.55	2.44	3.55	2.31	3.55	3.75	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.10	4.06	2.84	4.06	2.66	4.06	2.52	4.06	4.10	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.22	0.22	0.84	0.22	0.79	0.22	0.75	0.22	1.22	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.46	0.45	1.01	0.45	0.95	0.45	0.90	0.45	1.46	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.71	0.67	1.18	0.67	1.11	0.67	1.05	0.67	1.71	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.95	0.90	1.35	0.90	1.27	0.90	1.20	0.90	1.95	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.19	1.12	1.52	1.12	1.43	1.12	1.35	1.12	2.19	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.44	1.35	1.69	1.35	1.58	1.35	1.50	1.35	2.44	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.68	1.57	1.86	1.57	1.74	1.57	1.65	1.57	2.68	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.93	1.79	2.03	1.79	1.90	1.79	1.80	1.79	2.93	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.71	0.22	1.18	0.22	1.11	0.22	1.05	0.22	1.71	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.05	0.45	1.42	0.45	1.33	0.45	1.26	0.45	2.05	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.39	0.67	1.65	0.67	1.55	0.67	1.47	0.67	2.39	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.73	0.90	1.89	0.90	1.77	0.90	1.68	0.90	2.73	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.07	1.12	2.13	1.12	2.00	1.12	1.89	1.12	3.07	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.41	1.35	2.36	1.35	2.22	1.35	2.10	1.35	3.41	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.75	1.57	2.60	1.57	2.44	1.57	2.31	1.57	3.75	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.10	1.79	2.84	1.79	2.66	1.79	2.52	1.79	4.10	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Monument Mount	2.32	0.51	1.60	0.51	1.51	0.51	1.43	0.51	2.32	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Monument Mount	2.80	1.02	1.94	1.02	1.82	1.02	1.73	1.02	2.80	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.29	1.52	2.28	1.52	2.14	1.52	2.03	1.52	3.29	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Monument Mount	3.78	2.03	2.62	2.03	2.46	2.03	2.33	2.03	3.78	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.27	2.54	2.95	2.54	2.77	2.54	2.63	2.54	4.27	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Monument Mount	4.75	3.05	3.29	3.05	3.09	3.05	2.93	3.05	4.75	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.24	3.55	3.63	3.55	3.41	3.55	3.23	3.55	5.24	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Monument Mount	5.73	4.06	3.97	4.06	3.72	4.06	3.53	4.06	5.73	4.06
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Plenum / Floor Duct / Mod. Furniture	3.24	0.51	2.24	0.51	2.11	0.51	2.00	0.51	3.24	0.51
1	Drops		^	^								
1	2 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	3.92	1.02	2.72	1.02	2.55	1.02	2.42	1.02	3.92	1.02
1	Drops		^	^								
1	3 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	4.61	1.52	3.19	1.52	2.99	1.52	2.84	1.52	4.61	1.52
1	Drops		^	^								
1	4 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.29	2.03	3.66	2.03	3.44	2.03	3.26	2.03	5.29	2.03
1	Drops		^	^								
1	5 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	5.97	2.54	4.13	2.54	3.88	2.54	3.68	2.54	5.97	2.54
1	Drops		^	^								
1	6 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	6.65	3.05	4.61	3.05	4.33	3.05	4.10	3.05	6.65	3.05
1	Drops		^	^								
1	7 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	7.34	3.55	5.08	3.55	4.77	3.55	4.52	3.55	7.34	3.55
1	Drops		^	^								
1	8 cat 6 Cables	Plenum / Floor Duct / Mod. Furniture	8.02	4.06	5.55	4.06	5.21	4.06	4.94	4.06	8.02	4.06
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Monument Mount	2.32	0.22	1.60	0.22	1.51	0.22	1.43	0.22	2.32	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	2.80	0.45	1.94	0.45	1.82	0.45	1.73	0.45	2.80	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.29	0.67	2.28	0.67	2.14	0.67	2.03	0.67	3.29	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	3.78	0.90	2.62	0.90	2.46	0.90	2.33	0.90	3.78	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.27	1.12	2.95	1.12	2.77	1.12	2.63	1.12	4.27	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	4.75	1.35	3.29	1.35	3.09	1.35	2.93	1.35	4.75	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.24	1.57	3.63	1.57	3.41	1.57	3.23	1.57	5.24	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Monument Mount	5.73	1.79	3.97	1.79	3.72	1.79	3.53	1.79	5.73	1.79
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6 Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.24	0.22	2.24	0.22	2.11	0.22	2.00	0.22	3.24	0.22
1	Drops		^	^								
1	2 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	3.92	0.45	2.72	0.45	2.55	0.45	2.42	0.45	3.92	0.45
1	Drops		^	^								
1	3 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.61	0.67	3.19	0.67	2.99	0.67	2.84	0.67	4.61	0.67
1	Drops		^	^								
1	4 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.29	0.90	3.66	0.90	3.44	0.90	3.26	0.90	5.29	0.90
1	Drops		^	^								
1	5 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.97	1.12	4.13	1.12	3.88	1.12	3.68	1.12	5.97	1.12
1	Drops		^	^								
1	6 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.65	1.35	4.61	1.35	4.33	1.35	4.10	1.35	6.65	1.35
1	Drops		^	^								
1	7 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.34	1.57	5.08	1.57	4.77	1.57	4.52	1.57	7.34	1.57
1	Drops		^	^								
1	8 cat 6 Cables	Non-Plenum / Floor Duct / Mod. Furniture	8.02	1.79	5.55	1.79	5.21	1.79	4.94	1.79	8.02	1.79
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Flush Mount	1.34	0.77	0.93	0.77	0.87	0.77	0.83	0.77	1.34	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.58	1.53	1.10	1.53	1.03	1.53	0.98	1.53	1.58	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	1.83	2.30	1.27	2.30	1.19	2.30	1.13	2.30	1.83	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.07	3.06	1.43	3.06	1.35	3.06	1.28	3.06	2.07	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.32	3.83	1.60	3.83	1.51	3.83	1.43	3.83	2.32	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.56	4.60	1.77	4.60	1.66	4.60	1.58	4.60	2.56	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	2.80	5.36	1.94	5.36	1.82	5.36	1.73	5.36	2.80	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Flush Mount	3.05	6.13	2.11	6.13	1.98	6.13	1.88	6.13	3.05	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Suspended Ceiling / Mod. Furniture	1.88	0.77	1.30	0.77	1.22	0.77	1.16	0.77	1.88	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.22	1.53	1.54	1.53	1.44	1.53	1.37	1.53	2.22	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.56	2.30	1.77	2.30	1.66	2.30	1.58	2.30	2.56	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	2.90	3.06	2.01	3.06	1.89	3.06	1.79	3.06	2.90	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.24	3.83	2.24	3.83	2.11	3.83	2.00	3.83	3.24	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.58	4.60	2.48	4.60	2.33	4.60	2.21	4.60	3.58	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	3.92	5.36	2.72	5.36	2.55	5.36	2.42	5.36	3.92	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Suspended Ceiling / Mod. Furniture	4.27	6.13	2.95	6.13	2.77	6.13	2.63	6.13	4.27	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Surface and/or Flush mount

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Flush Mount	1.34	0.33	0.93	0.33	0.87	0.33	0.83	0.33	1.34	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.58	0.65	1.10	0.65	1.03	0.65	0.98	0.65	1.58	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	1.83	0.98	1.27	0.98	1.19	0.98	1.13	0.98	1.83	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.07	1.30	1.43	1.30	1.35	1.30	1.28	1.30	2.07	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.32	1.63	1.60	1.63	1.51	1.63	1.43	1.63	2.32	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.56	1.95	1.77	1.95	1.66	1.95	1.58	1.95	2.56	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	2.80	2.28	1.94	2.28	1.82	2.28	1.73	2.28	2.80	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Flush Mount	3.05	2.60	2.11	2.60	1.98	2.60	1.88	2.60	3.05	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run Above Suspended Ceiling
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Suspended Ceiling / Mod. Furn.	1.88	0.33	1.30	0.33	1.22	0.33	1.16	0.33	1.88	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.22	0.65	1.54	0.65	1.44	0.65	1.37	0.65	2.22	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.56	0.98	1.77	0.98	1.66	0.98	1.58	0.98	2.56	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	2.90	1.30	2.01	1.30	1.89	1.30	1.79	1.30	2.90	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.24	1.63	2.24	1.63	2.11	1.63	2.00	1.63	3.24	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.58	1.95	2.48	1.95	2.33	1.95	2.21	1.95	3.58	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	3.92	2.28	2.72	2.28	2.55	2.28	2.42	2.28	3.92	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Suspended Ceiling / Mod. Furn.	4.27	2.60	2.95	2.60	2.77	2.60	2.63	2.60	4.27	2.60
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Monument Mount	2.44	0.77	1.69	0.77	1.58	0.77	1.50	0.77	2.44	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Monument Mount	2.93	1.53	2.03	1.53	1.90	1.53	1.80	1.53	2.93	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.41	2.30	2.36	2.30	2.22	2.30	2.10	2.30	3.41	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Monument Mount	3.90	3.06	2.70	3.06	2.54	3.06	2.40	3.06	3.90	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.39	3.83	3.04	3.83	2.85	3.83	2.70	3.83	4.39	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Monument Mount	4.88	4.60	3.38	4.60	3.17	4.60	3.00	4.60	4.88	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.36	5.36	3.71	5.36	3.49	5.36	3.30	5.36	5.36	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Monument Mount	5.85	6.13	4.05	6.13	3.80	6.13	3.60	6.13	5.85	6.13
1	Drops		^	^								

Detail: Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Plenum / Floor Duct / Mod. Furniture	3.41	0.77	2.36	0.77	2.22	0.77	2.10	0.77	3.41	0.77
1	Drops		^	^								
1	2 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.10	1.53	2.84	1.53	2.66	1.53	2.52	1.53	4.10	1.53
1	Drops		^	^								
1	3 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	4.78	2.30	3.31	2.30	3.11	2.30	2.94	2.30	4.78	2.30
1	Drops		^	^								
1	4 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	5.46	3.06	3.78	3.06	3.55	3.06	3.36	3.06	5.46	3.06
1	Drops		^	^								
1	5 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.14	3.83	4.25	3.83	3.99	3.83	3.78	3.83	6.14	3.83
1	Drops		^	^								
1	6 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	6.83	4.60	4.73	4.60	4.44	4.60	4.20	4.60	6.83	4.60
1	Drops		^	^								
1	7 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	7.51	5.36	5.20	5.36	4.88	5.36	4.62	5.36	7.51	5.36
1	Drops		^	^								
1	8 cat 6A Cables	Plenum / Floor Duct / Mod. Furniture	8.19	6.13	5.67	6.13	5.32	6.13	5.04	6.13	8.19	6.13
1	Drops		^	^								

CABLING COST MATRIX - UNIT PRICE

Detail: Non-Plenum Cable
Run in Floor Duct
Surface and/or Monument Moun

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Monument Mount	2.44	0.33	1.69	0.33	1.58	0.33	1.50	0.33	2.44	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	2.93	0.65	2.03	0.65	1.90	0.65	1.80	0.65	2.93	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.41	0.98	2.36	0.98	2.22	0.98	2.10	0.98	3.41	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	3.90	1.30	2.70	1.30	2.54	1.30	2.40	1.30	3.90	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.39	1.63	3.04	1.63	2.85	1.63	2.70	1.63	4.39	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	4.88	1.95	3.38	1.95	3.17	1.95	3.00	1.95	4.88	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.36	2.28	3.71	2.28	3.49	2.28	3.30	2.28	5.36	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Monument Mount	5.85	2.60	4.05	2.60	3.80	2.60	3.60	2.60	5.85	2.60
1	Drops		^	^								

Detail: Non-Plenum Cable
Run in Floor Duct
Mount in Modular Furniture

Prices as shown in above matrix are for providing materials, running cable and providing as-builts.
UTP = Unshielded Twisted Four Pair

QTY	<Lineal Feet	UTP- Wire/Cable	# of Cable Runs - Price per Lineal Foot								TOTAL COST	
			1-24		25-48		49-144		145-336			
	Item Description		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	1 cat 6A Cable	Non-Plenum / Floor Duct / Mod. Furniture	3.41	0.33	2.36	0.33	2.22	0.33	2.10	0.33	3.41	0.33
1	Drops		^	^								
1	2 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.10	0.65	2.84	0.65	2.66	0.65	2.52	0.65	4.10	0.65
1	Drops		^	^								
1	3 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	4.78	0.98	3.31	0.98	3.11	0.98	2.94	0.98	4.78	0.98
1	Drops		^	^								
1	4 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	5.46	1.30	3.78	1.30	3.55	1.30	3.36	1.30	5.46	1.30
1	Drops		^	^								
1	5 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.14	1.63	4.25	1.63	3.99	1.63	3.78	1.63	6.14	1.63
1	Drops		^	^								
1	6 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	6.83	1.95	4.73	1.95	4.44	1.95	4.20	1.95	6.83	1.95
1	Drops		^	^								
1	7 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	7.51	2.28	5.20	2.28	4.88	2.28	4.62	2.28	7.51	2.28
1	Drops		^	^								
1	8 cat 6A Cables	Non-Plenum / Floor Duct / Mod. Furniture	8.19	2.60	5.67	2.60	5.32	2.60	5.04	2.60	8.19	2.60
1	Drops		^	^								

TERMINATING HARDWARE

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Cat 5E Modular Jack, RJ45 Type (data) - All Colors		6.44		6.44		6.44		6.44		0.00	6.44
1	Cat 6 Modular Jack, RJ45 Type (data) - All Colors		7.47		7.47		7.47		7.47		0.00	7.47
1	Cat 6A Modular Jack, RJ45 Type (data) - All Colors		9.31		9.31		9.31		9.31			9.31
1	Modular Faceplate Single Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Duplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Triplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Quadplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Sixplex Outlet	2.71	1.64	1.87	1.64	1.76	1.64	1.67	1.64		2.71	1.64
1	Modular Faceplate Eightplex Outlet	2.71	4.17	1.87	4.17	1.76	4.17	1.67	4.17		2.71	4.17
1	Modular Faceplate Tenplex Outlet	5.41	4.17	3.75	4.17	3.52	4.17	3.33	4.17	*1	5.41	4.17
1	Modular Furniture Faceplate Duplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31	*2	5.50	2.31
1	Modular Furniture Faceplate Triplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31		5.50	2.31
1	Modular Furniture Faceplate Quadplex Outlet	5.50	2.31	3.80	2.31	3.57	2.31	3.38	2.31		5.50	2.31
1	Surface Mount Box (2 Outlet)	10.91	3.06	7.55	3.06	7.09	3.06	6.71	3.06		10.91	3.06
1	Surface Mount Box (4 Outlet)	10.91	3.63	7.55	3.63	7.09	3.63	6.71	3.63		10.91	3.63
1	Surface Mount Box (6 Outlet)	10.91	8.96	7.55	8.96	7.09	8.96	6.71	8.96		10.91	8.96
1	Surface Mount Box (2 Outlet) 10 Gigabit	10.91	4.89	7.55	4.89	7.09	4.89	6.71	4.89		10.91	4.89
1	Surface Mount Box (4 Outlet) 10 Gigabit	10.91	8.72	7.55	8.72	7.09	8.72	6.71	8.72		10.91	8.72
1	Floor Monument Single Duplex Opening	6.81	40.96	4.71	40.96	4.42	40.96	4.19	40.96		6.81	40.96
1	Floor Monument Double Duplex Opening	6.81	47.23	4.71	47.23	4.42	47.23	4.19	47.23		6.81	47.23
1	Wall Mount Faceplate 630b	13.70	16.29	9.48	16.29	8.90	16.29	8.43	16.29		13.70	16.29
1	110 Type Wiring Block 25 Pair	46.50	6.43	32.19	6.43	30.23	6.43	28.62	6.43		46.50	6.43
1	110 Type Wiring Block 50 Pair	79.31	7.69	54.90	7.69	51.55	7.69	48.80	7.69		79.31	7.69
1	110 Type Wiring Block 100 Pair	151.72	13.29	105.04	13.29	98.62	13.29	93.37	13.29		151.72	13.29
1	110 Type Wiring Block 300 Pair	420.97	31.35	291.44	31.35	273.64	31.35	259.05	31.35		420.97	31.35
1	110 Type Connecting Block - 3 Pair	2.71	0.56	1.87	0.56	1.76	0.56	1.67	0.56		2.71	0.56
1	110 Type Connecting Block - 4 Pair	2.71	0.74	1.87	0.74	1.76	0.74	1.67	0.74		2.71	0.74

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod

TERMINATING HARDWARE

ZONE:	7

Special Secured Area

Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	110 Type Connecting Block - 5 Pair	2.71	0.81	1.87	0.81	1.76	0.81	1.67	0.81		2.71	0.81
1	110 Type Wiring Block e/w Legs 25 Pair and/or 50 Pair	79.31	15.93	54.90	15.93	51.55	15.93	48.80	15.93		79.31	15.93
1	110 Type Wiring Block e/w Legs 100 Pair	151.72	15.93	105.04	15.93	98.62	15.93	93.37	15.93		151.72	15.93
1	110 Type Wiring Block e/w Legs 300 Pair	420.97	37.49	291.44	37.49	273.64	37.49	259.05	37.49		420.97	37.49
1	110 Labels and Holders (All Colors)	0.00	17.67	0.00	17.67	0.00	17.67	0.00	17.67		0.00	17.67
1	Cat 5E Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 5E Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6 Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w 36 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 6 Jacks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 12 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Cat 6A Modular Jack 110 Blocks e/w Legs & 36 Jacks (JP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*5	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 8 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 16 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Blank Metal Patch Panels for 19" Mtg. 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Ten Outlet Surge Protector - Eq. Rack Mountable	0.00	134.32	0.00	134.32	0.00	134.32	0.00	134.32		0.00	134.32
1	Ceramic Tipped ST Connector 50 um	0.00	5.44	0.00	5.44	0.00	5.44	0.00	5.44		0.00	5.44
1	Ceramic Tipped ST Connector 62.5 um	0.00	5.23	0.00	5.23	0.00	5.23	0.00	5.23		0.00	5.23
1	Ceramic Tipped ST Connector 8.3 um	0.00	6.99	0.00	6.99	0.00	6.99	0.00	6.99		0.00	6.99
1	SC Ceramic Tipped 50 um	0.00	8.78	0.00	8.78	0.00	8.78	0.00	8.78		0.00	8.78
1	SC Ceramic Tipped 62.5 um	0.00	6.74	0.00	6.74	0.00	6.74	0.00	6.74		0.00	6.74
1	SC Ceramic Tipped 8.3 um	0.00	4.91	0.00	4.91	0.00	4.91	0.00	4.91		0.00	4.91
1	Lightguide Interconnection Unit - Wall Mountable 12 Fibers	84.72	133.88	58.65	133.88	55.07	133.88	52.13	133.88		84.72	133.88
1	Lightguide Interconnection Unit - Wall Mountable 24 Fibers	84.72	207.90	58.65	207.90	55.07	207.90	52.13	207.90		84.72	207.90
1	Lightguide Interconnection Unit - Wall Mountable 48 Fibers	84.72	415.80	58.65	415.80	55.07	415.80	52.13	415.80		84.72	415.80

*5 - 110 Block with Modular Jacks are only Available up to Cat 5 Standards

TERMINATING HARDWARE

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

Price includes all labor to provide and install hardware, terminate cable, designate, test and provide as built drawings
This hardware will be provided and installed in conjunction with cables provided in this pricing matrix.

Qty	Item Description:	Price for Each Item									TOTAL COST	
		1-24		25-48		49-72		72 & Up				
		Labor	Material	Labor	Material	Labor	Material	Labor	Material		Labor	Material
1	Lightguide Distribution Shelf - 24 Fiber Rack Mount	84.72	274.74	58.65	274.74	55.07	274.74	52.13	274.74		84.72	274.74
1	Lightguide Distribution Shelf - 72 Fiber Rack Mount	125.73	491.40	87.04	491.40	81.72	491.40	77.37	491.40	*4	125.73	491.40
1	Lightguide Splice Shelf - 72 Fiber Rack Mount	125.73	632.97	87.04	632.97	81.72	632.97	77.37	632.97		125.73	632.97
1	Lightguide Splice Shelf - 144 Fiber Rack Mount	166.73	822.96	115.43	822.96	108.38	822.96	102.60	822.96		166.73	822.96
1	Modular to 110 Category 5E Patch Panel - 24 Port	295.25	175.14	204.40	175.14	191.91	175.14	181.69	175.14		295.25	175.14
1	Modular to 110 Category 5E Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 5E Patch Panel - 48 Port	524.88	350.28	363.38	350.28	341.18	350.28	323.00	350.28		524.88	350.28
1	Modular to 110 Category 5EV Patch Panel - 96 Port	262.44	700.56	181.69	700.56	170.59	700.56	161.50	700.56		262.44	700.56
1	Modular to 110 Category 6 Patch Panel - 24 Port	295.25	308.70	204.40	308.70	191.91	308.70	181.69	308.70		295.25	308.70
1	Modular to 110 Category 6 Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6 Patch Panel - 48 Port	524.88	580.86	363.38	580.86	341.18	580.86	323.00	580.86		524.88	580.86
1	Modular to 110 Category 6 Patch Panel - 96 Port	262.44	1161.72	181.69	1161.72	170.59	1161.72	161.50	1161.72		262.44	1,161.72
1	Modular to 110 Category 6A Patch Panel - 24 Port	360.86	370.57	249.83	370.57	234.56	370.57	222.06	370.57		360.86	370.57
1	Modular to 110 Category 6A Patch Panel - 32 Port	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*3	N/A	N/A
1	Modular to 110 Category 6A Patch Panel - 48 Port	721.71	741.20	499.65	741.20	469.12	741.20	444.12	741.20		721.71	741.20
1	Modular to 110 Category 6A Patch Panel - 96 Port	262.44	1482.39	181.69	1482.39	170.59	1482.39	161.50	1482.39		262.44	1482.39
1	Hinged Wall Mount Bracket for above Patch Panels	13.70	69.30	9.48	69.30	8.90	69.30	8.43	69.30		13.70	69.30
1	Terminate and Test Cat 5E - 4 Pair UTP	12.30	0.00	8.52	0.00	8.00	0.00	7.57	0.00		12.30	0.00
1	Terminate and Test Cat 6 - 4 Pair UTP	12.30	0.00	8.52	0.00	8.00	0.00	7.57	0.00		12.30	0.00
1	Terminate and Test Cat 6A - 4 Pair UTP	15.01	0.00	10.39	0.00	9.76	0.00	9.24	0.00		15.01	0.00
1	Terminate & Test 62.5 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 50.0 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 8.3 micron fiber strand on ST Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 62.5 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 50.0 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00
1	Terminate & Test 8.3 micron fiber strand on SC Connector	50.52	0.00	34.98	0.00	32.84	0.00	31.09	0.00		50.52	0.00

*1 Consists of 4 & 6 plex faceplates
*2 Consists of 3 plex & blank mod
*3 Not Available (N/A)
*4 Available up to 48 ports

UTP = Unshielded Twisted Four Pair

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 110A type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

ARMM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.39	2.95	1.39
1	50 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.10	3.65	2.10
1	100 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	3.61	4.98	3.61
1	150 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	5.70	7.15	5.70
1	200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	7.02	8.42	7.02
1	300 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	10.07	11.43	10.07
1	400 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	14.01	14.03	14.01
1	500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	19.20	20.42	19.20
1	900 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	28.81	28.14	28.81
1	1200 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	38.40	38.45	38.40
1	1500 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	47.79	46.24	47.79
1	1800 Pairs	Riser Copper Cable (CMR) - ARMM Type - Terminated On 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	58.54	54.02	58.54

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

CMR Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CMR Type - 24 Ga. - Term. on 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

CM Type Cable

24 Gauge

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable (CMR) - CM Type - 24 Ga. - Term. On 110A Hardware	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59
0								

COPPER TIE CABLE

Price per foot - terminated on 110A type hardware - Note #1

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	2.54	2.95	2.54
1	50 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	4.25	3.65	4.25
1	100 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	7.49	4.98	7.49
1	150 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	7.15	Material $$/ LF	11.74	7.15	11.74
1	200 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	8.42	Material $$/ LF	14.98	8.42	14.98
1	300 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	11.43	Material $$/ LF	22.20	11.43	22.20
1	400 Pairs	Copper Tie Cable- CMP Type - 24 Ga. - Plenum - Term. On 110A Hardware	Labor $$ / LF	14.03	Material $$/ LF	29.96	14.03	29.96

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

Note#1 - Terminated on 110A type hardware means terminated on 110 connector block.

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Copper Tie Cable- CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Copper Tie Cable- CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83

1	1800 Pairs	Copper Tie Cable- CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware *

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMR Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	1.44	**2.95**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	2.29	**3.65**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	4.01	**4.98**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	6.30	**7.15**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	8.03	**8.42**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	11.77	**11.43**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	16.30	**14.03**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	20.42	Material $$/ LF	23.53	**20.42**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	28.14	Material $$/ LF	34.84	**28.14**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	38.45	Material $$/ LF	47.06	**38.45**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	46.24	Material $$/ LF	58.83	**46.24**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CMR Type Cable - 24 Gauge	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

*** Terminated on 110A type hardware means terminated on 110 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM Type Cable 24 Gauge.						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	1.44	**2.95**	**1.44**
1	50 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	2.29	**3.65**	**2.29**
1	100 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	4.01	**4.98**	**4.01**
1	150 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	6.30	**7.15**	**6.30**
1	200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	8.03	**8.42**	**8.03**
1	300 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	11.77	**11.43**	**11.77**
1	400 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	16.30	**14.03**	**16.30**
1	500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	20.42	Material $$/ LF	23.53	**20.42**	**23.53**
1	900 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	28.14	Material $$/ LF	34.84	**28.14**	**34.84**
1	1200 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	38.45	Material $$/ LF	47.06	**38.45**	**47.06**
1	1500 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	46.24	Material $$/ LF	58.83	**46.24**	**58.83**
1	1800 Pairs	Riser Copper Cable System (CMR) - CM Type Cable - 24 Gauge	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

RISER COPPER CABLE SYSTEM (CMR)

Price per foot - terminated on 66 type hardware*

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

	CMP TYPE	24 Gauge Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	2.95	Material $$/ LF	2.54	2.95	2.54
1	50 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	3.65	Material $$/ LF	4.25	3.65	4.25
1	100 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	4.98	Material $$/ LF	7.49	4.98	7.49
1	150 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	7.15	Material $$/ LF	11.74	7.15	11.74
1	200 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	8.42	Material $$/ LF	14.98	8.42	14.98
1	300 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	11.43	Material $$/ LF	22.20	11.43	22.20
1	400 Pairs	Riser Copper Cable System (CMR) - CMP Type Cable - 24 Gauge	Labor $$ / LF	14.03	Material $$/ LF	30.21	14.03	30.21

* Cable run in Customer Provided Conduit ** Cable run above Ceiling *** Cable run in Floor Duct

*** Terminated on 66 type hardware means terminated on 66 connector block. This table is all inclusive of materials and work items to install, test and provide drawings for a complete riser cable installation.**

	CM TYPE *	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM* Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE **	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83
1	1800 Pairs	Riser Copper Cable System (CMR) - CM** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	54.02	70.59

	CM TYPE ***	24 Ga. Non-Plenum					TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	2.95	Material $$/ LF	1.44	2.95	1.44
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	3.65	Material $$/ LF	2.29	3.65	2.29
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	4.98	Material $$/ LF	4.01	4.98	4.01
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	7.15	Material $$/ LF	6.30	7.15	6.30
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	8.42	Material $$/ LF	8.03	8.42	8.03
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	11.43	Material $$/ LF	11.77	11.43	11.77
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	14.03	Material $$/ LF	16.30	14.03	16.30
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	20.42	Material $$/ LF	23.53	20.42	23.53
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	28.14	Material $$/ LF	35.30	28.14	35.30
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	38.45	Material $$/ LF	47.06	38.45	47.06
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	46.24	Material $$/ LF	58.83	46.24	58.83

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / LF	54.02	Material $$/ LF	70.59	**54.02**	**70.59**

ZONE:	7
Special Secured Area	
Material Manufacturer:	Systimax

COPPER TIE CABLE - CATEGORY 5E - NON-PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	1.87	2.95	1.87
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	3.35	3.65	3.35
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	6.29	4.98	6.29

Price / Foot - Terminated on Cat 5E Patch Panel

	24 Gauge Non- Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.95	Material $$/ LF	3.14	2.95	3.14
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.65	Material $$/ LF	6.25	3.65	6.25
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Non-Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.98	Material $$/ LF	12.50	4.98	12.50

COPPER TIE CABLE - CATEGORY 5E - PLENUM

(Price includes all labor, cable, terminating hardware, testing, as-built drawings and test records)

Price per foot - terminated on 110A type hardware

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	2.95	Material $$/ LF	4.28	2.95	4.28
1	50 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	3.65	Material $$/ LF	8.16	3.65	8.16
1	100 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated 110A Hardware	Labor $$ / LF	4.98	Material $$/ LF	15.92	4.98	15.92

Price per foot - terminated on category 5E patch panel

	24 Gauge Plenum						TOTAL COST	
QTY	# of Pairs						Labor	Material
1	24 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	2.95	Material $$/ LF	5.55	2.95	5.55
1	48 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	3.65	Material $$/ LF	11.06	3.65	11.06
1	96 Pairs	Copper Tie Cable - Cat 5E - 24 Ga. Plenum - Terminated Cat 5E Patch Panel	Labor $$ / LF	4.98	Material $$/ LF	22.13	4.98	22.13

COPPER TIE CABLE - MODULAR SPLICE

(Spliced pair = joining of two pair of conductors)

							TOTAL COST	
QTY	# of Pairs						Labor	Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	127.91	Material $$/ 25 Pair	3.74	127.91	3.74
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	201.15	Material $$/ 25 Pair	7.48	201.15	7.48
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	346.95	Material $$/ 25 Pair	14.97	346.95	14.97
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	494.10	Material $$/ 25 Pair	22.45	494.10	22.45
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	639.90	Material $$/ 25 Pair	29.94	639.90	29.94
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	959.85	Material $$/ 25 Pair	44.91	959.85	44.91
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,166.40	Material $$/ 25 Pair	59.88	1,166.40	59.88
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	1,377.00	Material $$/ 25 Pair	74.84	1,377.00	74.84
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	2,344.95	Material $$/ 25 Pair	134.72	2,344.95	134.72
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,013.20	Material $$/ 25 Pair	179.63	3,013.20	179.63
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	3,624.75	Material $$/ 25 Pair	224.53	3,624.75	224.53
1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Pair	4,179.60	Material $$/ 25 Pair	269.44	4,179.60	269.44

INNERDUCT

ZONE: 7

Special Secured Area

Material Manufacturer: Systimax

NON-PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.28	Material $$/ LF	0.74	2.28	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.53	Material $$/ LF	0.83	2.53	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.79	Material $$/ LF	1.01	2.79	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed above Suspended Ceilings	Labor $$ / LF	3.04	Material $$/ LF	1.13	3.04	1.13

PLENUM

* Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.28	Material $$/ LF	2.21	2.28	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.53	Material $$/ LF	2.46	2.53	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	2.79	Material $$/ LF	3.47	2.79	3.47
1	2" Carlon	Innerduct - Plenum - Installed above Suspended Ceilings	Labor $$ / LF	3.04	Material $$/ LF	4.35	3.04	4.35

NON-PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.28	Material $$/ LF	0.74	2.28	0.74
1	1 1/4" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.53	Material $$/ LF	0.83	2.53	0.83
1	1 1/2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.79	Material $$/ LF	1.01	2.79	1.01
1	2" Carlon	Innerduct - Non-Plenum - Installed in Conduit and Risers	Labor $$ / LF	3.04	Material $$/ LF	1.13	3.04	1.13

PLENUM

** Price per foot

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.28	Material $$/ LF	2.21	2.28	2.21
1	1 1/4" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.53	Material $$/ LF	2.46	2.53	2.46
1	1 1/2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	2.79	Material $$/ LF	3.47	2.79	3.47
1	2" Carlon	Innerduct - Plenum - Installed in Conduit and Risers	Labor $$ / LF	3.04	Material $$/ LF	4.35	3.04	4.35

QTY	Size						Labor	Material
1	Fabric Innerduct	Innerduct 2" 3 Cell - Installed in Conduit	Labor $$ / LF	1.35	Material $$/ LF	2.46	1.35	2.46

*Price per foot includes labor to install above suspended ceiling

** Price per foor includes labor to install in conduits and risers

COPPER TIE CABLE - INDOOR SPLICE CASE

QTY	# of Pairs						TOTAL COST Labor	TOTAL COST Material
1	25 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	50 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	100 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	150 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	300 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	108.42	0.00	108.42
1	400 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	900 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	189.91	0.00	189.91
1	1200 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49
1	1500 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case		Matl. $$ / Spi. Case	315.49	0.00	315.49

1	1800 Pairs	Riser Copper Cable System (CMR) - CM*** Type Cable - 24 Gauge Non-Plenum	Labor $$ / Spl.Case	Matl. $$ / Spi. Case	315.49	**0.00**	**315.49**

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 62.5/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.29	2.11	5.29
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.84	2.11	6.84
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.23	2.53	8.23
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.13	2.95	12.13
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.68	2.95	13.68

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - 50.0/125 um - In Cust. Provided Conduit	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.22	1.69	1.22
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.94	1.69	2.94
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.28	2.11	5.28
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	6.88	2.11	6.88
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.22	2.53	8.22
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	11.01	2.53	11.01
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	12.16	2.95	12.16
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	13.76	2.95	13.76

PLENUM FIBER CABLE / TIE CABLE SYSTEM (OFNP)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.64	1.69	0.64
1	24 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.34	1.69	1.34
1	36 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.62	2.11	3.62
1	48 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.56	2.11	4.56
1	60 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	72 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	7.56	2.53	7.56
1	84 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	8.18	2.95	8.18
1	96 Strands	Plenum Fiber / Tie Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.12	2.95	9.12

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 62.5/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 62.5/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

RISER FIBER CABLE SYSTEM (OFNR)

MULTIMODE FIBER - 50.0/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.10	1.69	1.10
1	24 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	2.37	1.69	2.37
1	36 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	4.15	2.11	4.15
1	48 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	5.39	2.11	5.39
1	60 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	6.51	2.53	6.51
1	72 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	8.58	2.53	8.58
1	84 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	9.54	2.95	9.54
1	96 Strands	Riser Fiber Cable (OFNP) - MMF - 50.0/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	10.79	2.95	10.79

RISER FIBER CABLE SYSTEM (OFNR)

SINGLEMODE FIBER - 8.3/125 um

Material Manufacturer:	Systimax

ZONE:	7

Special Secured Area

Price per foot - Provide materials and Install Cable Only

Run above suspended ceiling

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Above Sus. Ceiling	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in customer provided conduit

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - In Cust. Conduit	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in floor duct

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

Price per foot - Provide materials and Install Cable Only

Run in riser shaft

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	0.53	1.69	0.53
1	24 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	1.69	Material $$/ LF	1.03	1.69	1.03
1	36 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	2.36	2.11	2.36
1	48 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.11	Material $$/ LF	3.45	2.11	3.45
1	60 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	3.39	2.53	3.39
1	72 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.53	Material $$/ LF	4.95	2.53	4.95
1	84 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	5.81	2.95	5.81
1	96 Strands	Riser Fiber Cable (OFNP) - SMF - 8.3/125 um - Run in Floor Duct	Labor $$ / LF	2.95	Material $$/ LF	6.91	2.95	6.91

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE FUSION SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Multimode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	607.50	Material $ / Cable	183.96	607.50	183.96
1	24 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,012.51	Material $ / Cable	241.92	1,012.51	241.92
1	36 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,215.00	Material $ / Cable	299.88	1,215.00	299.88
1	48 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,458.00	Material $ / Cable	357.84	1,458.00	357.84
1	60 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,620.00	Material $ / Cable	415.80	1,620.00	415.80
1	72 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,701.00	Material $ / Cable	473.76	1,701.00	473.76
1	84 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,701.00	Material $ / Cable	531.72	1,701.00	531.72
1	96 Strand Cable	Fiber Cable Fusion - Singlemode	Labor $$ / Cable	1,782.05	Material $ / Cable	589.68	1,782.05	589.68

ALL FIBER SPLICING - INTERNAL TO BUILDING

FIBER CABLE MECHANICAL SPLICING

Includes All Splicing Hardware, Labor, Testing and Test Records

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Multimode 62.5 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Multimode 50.0 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Multimode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Singlemode 8.3 micron

QTY	# of Strands						TOTAL COST Labor	TOTAL COST Material
1	12 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	216.00	Material $ / Cable	193.73	216.00	193.73
1	24 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	360.00	Material $ / Cable	244.13	360.00	244.13
1	36 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	432.00	Material $ / Cable	294.53	432.00	294.53
1	48 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	528.00	Material $ / Cable	344.93	528.00	344.93
1	60 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	570.00	Material $ / Cable	395.33	570.00	395.33
1	72 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	445.73	604.80	445.73
1	84 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	604.80	Material $ / Cable	496.13	604.80	496.13
1	96 Strand Cable	Fiber Cable Mechanical Splicing - Singlemode	Labor $$ / Cable	624.00	Material $ / Cable	546.53	624.00	546.53

Equipment Racks

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Floor Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	171.58	168.75	171.58
1	7' X 19" Homaco	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	128.07	168.75	128.07
1	8' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	340.73	168.75	340.73
1	9' X 19" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	361.79	168.75	361.79
1	6' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	439.15	168.75	439.15
1	7' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	247.46	168.75	247.46
1	8' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	332.51	168.75	332.51
1	9' X 23" B-Line	Equipment Rack - Floor Mounted	Labor $$ / Rack	168.75	Material $ / Cable	398.16	168.75	398.16

Wall Mounted

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	104.74	206.72	104.74
1	4' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	118.91	206.72	118.91
1	5' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	177.76	206.72	177.76
1	6' X 19" Homaco	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	187.90	206.72	187.90
1	3' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	316.75	206.72	316.75
1	4' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	5' X 23" Homaco	Equipment Rack - Wall Mounted					N/A	N/A
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted	Labor $$ / Cable	206.72	Material $ / Cable	493.79	206.72	493.79

Wall Mounted - Hinged

Includes All Mounting Hardware and Installation Labo

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	3' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	155.85	206.72	155.85
1	4' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	162.22	206.72	162.22
1	5' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	224.42	206.72	224.42
1	6' X 19" Homaco	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	234.07	206.72	234.07
1	3' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	315.90	206.72	315.90
1	4' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	347.92	206.72	347.92
1	5' X 23" Chatworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	407.37	206.72	407.37
1	6' X 23" Chatsworth	Equipment Rack - Wall Mounted - Hinged	Labor $$ / Cable	206.72	Material $ / Cable	449.91	206.72	449.91

Miscellaneous

Material Manufacturer:	Various

ZONE:	7

Special Secured Area

Cable Tray - Cable Rack - Cable Runway

CABLE TRAY, RACK, RUNWAY IN LADDER TYPE

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	1.5" x 4" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 6" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	107.10	75.94	107.10
1	1.5" x 9" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	124.59	75.94	124.59
1	1.5" x 12" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Tray	75.94	Material $ / Cable	114.11	75.94	114.11
1	1.5" x 15" x 10'	Cable Tray, Rack and Runway - Ladder Type					N/A	N/A
1	1.5" x 18" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	132.30	75.94	132.30
1	1.5" x 24" x 10'	Cable Tray, Rack and Runway - Ladder Type	Labor $$ / Cable	75.94	Material $ / Cable	154.35	75.94	154.35

Surface Raceway

One Piece Hinged - Plastic - Adhesive Backed

Includes All Mounting Hardware and Installation Labc

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x .5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	22.28	25.31	22.28
1	6' x .75" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	27.37	25.31	27.37
1	6' x 1.5" Panduit	Surface Raceway - One Piece Hinged - Plastic Adhesive Backe	Labor $$ / Cable	25.31	Material $ / Cable	35.48	25.31	35.48

Plastic - Non-Adhesive Backed

QTY	Size						TOTAL COST Labor	TOTAL COST Material
1	6' x 2" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	37.97	Material $ / Cable	34.02	37.97	34.02
1	6' x 4" Panduit	Surface Raceway - Plastic Non-Adhesive Backed	Labor $$ / Cable	37.97	Material $ / Cable	49.14	37.97	49.14

Power Poles

QTY	Number of Poles						TOTAL COST Labor	TOTAL COST Material
1	1 thru 10	Power Poles	Labor $$ / Cable	104.00	Material $ / Cable	97.02	104.00	97.02
1	11 thru 20	Power Poles	Labor $$ / Cable	106.31	Material $ / Cable	97.02	106.31	97.02
1	21 thru 30	Power Poles	Labor $$ / Cable	101.41	Material $ / Cable	97.02	101.41	97.02
1	31 & More	Power Poles	Labor $$ / Cable	93.61	Material $ / Cable	97.02	93.61	97.02

Cords & Miscellaneous

Material Manufacturer:	Systimax

Zone:	7

Special Secured Area

QTY	Units	Item Description					TOTAL COST Labor	TOTAL COST Material
1	Each	One Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Two Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Three Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Each	Four Pair X-Conn - 110 Hardware	Labor $$ / Cable	3.80			3.80	N/A
1	Hour	Cable Installer Hourly Price	Labor $$ / Cable	75.94			75.94	N/A
1	Hour	Daily Overtime - Cable Installer	Labor $$ / Cable	113.91			113.91	N/A
1	Hour	Sunday & Holiday - Cable Installer	Labor $$ / Cable	151.88			151.88	N/A
1	Hour	Night Shift Premium - Cable Installer	Labor $$ / Cable	94.93			94.93	N/A
1	Each	Cat 5E Patchcord 2'			Material $ / Cable	3.34	0.00	3.34
1	Each	Cat 5E Patchcord 4'			Material $ / Cable	3.91	0.00	3.91
1	Each	Cat 5E Patchcord 6'			Material $ / Cable	4.52	0.00	4.52
1	Each	Cat 5E Patchcord 8'			Material $ / Cable	5.13	0.00	5.13
1	Each	Cat 5E Patchcord 10'			Material $ / Cable	5.75	0.00	5.75
1	Each	Cat 5E Patchcord 12'			Material $ / Cable	6.11	0.00	6.11
1	Each	Cat 5E Patchcord 25'			Material $ / Cable	9.83	0.00	9.83
1	Each	Cat 5E Patchcord 35'			Material $ / Cable	12.85	0.00	12.85
1	Each	Cat 6 Patchcord 2'			Material $ / Cable	6.83	0.00	6.83
1	Each	Cat 6 Patchcord 4'			Material $ / Cable	7.51	0.00	7.51
1	Each	Cat 6 Patchcord 6'			Material $ / Cable	8.20	0.00	8.20
1	Each	Cat 6 Patchcord 8'			Material $ / Cable	8.88	0.00	8.88
1	Each	Cat 6 Patchcord 10'			Material $ / Cable	9.60	0.00	9.60
1	Each	Cat 6 Patchcord 12'			Material $ / Cable	10.27	0.00	10.27
1	Each	Cat 6 Patchcord 25'			Material $ / Cable	14.78	0.00	14.78
1	Each	Cat 6 Patchcord 35'			Material $ / Cable	18.27	0.00	18.27
1	Each	Cat 6A Patchcord 2'			Material $ / Cable	9.64	0.00	9.64
1	Each	Cat 6A Patchcord 4'			Material $ / Cable	10.66	0.00	10.66
1	Each	Cat 6A Patchcord 6'			Material $ / Cable	11.66	0.00	11.66
1	Each	Cat 6A Patchcord 8'			Material $ / Cable	12.65	0.00	12.65
1	Each	Cat 6A Patchcord 10'			Material $ / Cable	13.65	0.00	13.65
1	Each	Cat 6A Patchcord 12'			Material $ / Cable	14.21	0.00	14.21
1	Each	Cat 6A Patchcord 25'			Material $ / Cable	21.11	0.00	21.11
1	Each	Cat 6A Patchcord 35'			Material $ / Cable	26.46	0.00	26.46
1	Each	Self Traceable Cat 6 Patchcord 3'			Material $ / Cable	9.83	0.00	9.83
1	Each	Self Traceable Cat 6 Patchcord 5'			Material $ / Cable	10.63	0.00	10.63

1	Each	Self Traceable Cat 6 Patchcord 6'	Material $ / Cable	11.04	0.00	11.04
1	Each	Self Traceable Cat 6 Patchcord 7'	Material $ / Cable	11.30	0.00	11.30
1	Each	Self Traceable Cat 6 Patchcord 10'	Material $ / Cable	12.50	0.00	12.50
1	Each	Self Traceable Cat 6 Patchcord 15'	Material $ / Cable	14.49	0.00	14.49
1	Each	Self Traceable Cat 6 Patchcord 25'	Material $ / Cable	18.67	0.00	18.67
1	Each	Self Traceable Cat 6 Patchcord 35'	Material $ / Cable	23.03	0.00	23.03
1	Each	Self Traceable Cat 6 Patchcord 50'	Material $ / Cable	29.25	0.00	29.25
1	Each	Self Traceable Cat 6 Patchcord 100'	Material $ / Cable	49.97	0.00	49.97
1	Each	Self Traceable Cat 6A Patchcord 3'	Material $ / Cable	12.01	0.00	12.01
1	Each	Self Traceable Cat 6A Patchcord 5'	Material $ / Cable	13.33	0.00	13.33
1	Each	Self Traceable Cat 6A Patchcord 6'	Material $ / Cable	14.10	0.00	14.10
1	Each	Self Traceable Cat 6A Patchcord 7'	Material $ / Cable	14.78	0.00	14.78
1	Each	Self Traceable Cat 6A Patchcord 10'	Material $ / Cable	16.81	0.00	16.81
1	Each	Self Traceable Cat 6A Patchcord 15'	Material $ / Cable	20.19	0.00	20.19
1	Each	Self Traceable Cat 6A Patchcord 25'	Material $ / Cable	26.95	0.00	26.95
1	Each	Self Traceable Cat 6A Patchcord 35'	Material $ / Cable	33.77	0.00	33.77
1	Each	Self Traceable Cat 6A Patchcord 50'	Material $ / Cable	44.76	0.00	44.76
1	Each	Self Traceable Cat 6A Patchcord 100'	Material $ / Cable	79.48	0.00	79.48
1	Each	1 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	23.89	0.00	23.89
1	Each	2 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	25.14	0.00	25.14
1	Each	3 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	26.38	0.00	26.38
1	Each	5 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	28.89	0.00	28.89
1	Each	10 Meter Self Traceable Multimode Duplex Patchcord LC/LC 62.5 125 UM	Material $ / Cable	35.15	0.00	35.15
1	Each	1 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	26.69	0.00	26.69
1	Each	2 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	28.00	0.00	28.00
1	Each	3 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	29.32	0.00	29.32
1	Each	5 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	31.94	0.00	31.94
1	Each	10 Meter Self Traceable Singlemode Duplex Patchcord LC/LC 8.3 125 UM	Material $ / Cable	38.52	0.00	38.52
1	Each	1 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	27.09	0.00	27.09
1	Each	2 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	29.99	0.00	29.99
1	Each	3 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	32.90	0.00	32.90
1	Each	5 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	38.71	0.00	38.71
1	Each	10 Meter Self Traceable OM3 Duplex Patchcord LC/LC	Material $ / Cable	53.25	0.00	53.25
1	Each	1 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	28.09	0.00	28.09
1	Each	2 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	31.99	0.00	31.99
1	Each	3 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	35.89	0.00	35.89
1	Each	5 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	43.70	0.00	43.70
1	Each	10 Meter Self Traceable OM4 Duplex Patchcord LC/LC	Material $ / Cable	63.21	0.00	63.21

Time & Material Cost Sheet

Material Manufacturer:	Systimax

Zone:	7

All Identifiable billable components for repair service not covered by the warranty must be detailed on this sheet. It is anticipated that this service will be billed on a Time and Material basis in lieu of a maintenance contract. The detail must include when the time begins and ends, the hourly rate, and all associated billable items.

Special Secured Area

QTY	Item Description				TOTAL COST Labor	TOTAL COST Material
	Material Rate:					
1	Each Homaco	3" Vertical Rack Organizers	Material $ / Cable	82.68		82.68
1	Each Homaco	6" Vertical Rack Organizers	Material $ / Cable	93.96		93.96
1	Each Homaco	3" U Rack Organizer Accessories	Material $ / Cable	9.56		9.56
1	Each Homaco	6" H Rack Organizer Accessories	Material $ / Cable	15.35		15.35
1	Each T & B	Ground Bus Bar	Material $ / Cable	134.87		134.87
1	Systimax	14' CAT V Patch Cord	Material $ / Cable	8.14		8.14
1	Systimax	8' Fiber Jumper Duplex ST-SC	Material $ / Cable	54.26		54.26

QTY					TOTAL COST Labor	TOTAL COST Material
1	Labor Rate:	Per Cable Installer Man Hour	Labor $$ / Rate	75.94	75.94	
1	Labor Rate:	Per Cable Installer Man Hour - Overtime Premium	Labor $$ / Rate	37.97	37.97	
1	Labor Rate:	Per Project Manager Man Hour	Labor $$ / Rate	65.00	65.00	
1	Labor Rate:	Per Engineering / Design Man Hour	Labor $$ / Rate	55.00	55.00	

SUPPLEMENTAL COST MATRIX - UNIT PRICE

Zone:	7

Building Modifications

Special Secured Area

Qty	Item Description:	Price for Each Item								TOTAL COST	
		1-24		25-48		49-72		72 & Up			
		Labor	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Material
1	Core 1" X 4" includes sleeve & firestopping	74.04	6.30	51.26	6.30	48.13	6.30	45.56	6.30	74.04	6.30
1	Core 1" X 6" includes sleeve & firestopping	111.06	6.30	76.89	6.30	72.19	6.30	68.34	6.30	111.06	6.30
1	Core 1" X 8" includes sleeve & firestopping	148.08	6.30	102.52	6.30	96.25	6.30	91.12	6.30	148.08	6.30
1	Core 1" X 10" includes sleeve & firestopping	185.10	6.30	128.15	6.30	120.32	6.30	113.91	6.30	185.10	6.30
1	Core 2" X 4" includes sleeve & firestopping	111.06	12.60	76.89	12.60	72.19	12.60	68.34	12.60	111.06	12.60
1	Core 2" X 6" includes sleeve & firestopping	148.08	12.60	102.52	12.60	96.25	12.60	91.12	12.60	148.08	12.60
1	Core 2" X 8" includes sleeve & firestopping	185.10	12.60	128.15	12.60	120.32	12.60	113.91	12.60	185.10	12.60
1	Core 2" X 10" includes sleeve & firestopping	222.12	12.60	153.78	12.60	144.38	12.60	136.69	12.60	222.12	12.60
1	Core 4" X 6" includes sleeve & firestopping	222.12	18.90	153.78	18.90	144.38	18.90	136.69	18.90	222.12	18.90
1	Core 4" X 12" includes sleeve & firestopping	296.16	18.90	205.04	18.90	192.51	18.90	182.25	18.90	296.16	18.90
1	Core 4" X 18" includes sleeve & firestopping	370.20	18.90	256.29	18.90	240.64	18.90	227.81	18.90	370.20	18.90
									0.00		
1	Re-Run, Re-Pull Wire - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00
1	Wire Removal - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00
1	Troubleshoot - Price per Hour	75.94		75.94		75.94		75.94		75.94	0.00

OSP CABLE CONSTRUCTION

Zone:	7

Urban Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.81	1.84	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.09	1.84	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.37	1.84	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.15	1.84	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.54	1.84	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.45	1.84	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.89	1.84	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.58	1.84	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.53	1.84	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	3.25	1.84	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	2.54	1.84	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	0.73	1.84	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.84	Material $ / Foot	6.37	1.84	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.84	Material $ / Foot	4.94	1.84	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.84	Material $ / Foot	1.29	1.84	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	2.19	Material $ / Foot	0.85	2.19	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	3.06	Material $ / Foot	1.53	3.06	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.50	Material $ / Foot	2.77	3.50	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	21.00	Material $ / Foot	1.29	21.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	26.25	Material $ / Foot	3.88	26.25	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.55	1.75	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.85	1.75	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.53	1.75	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	2.77	1.75	2.77
1	Foot	Trench	Labor $$ / Foot	7.00	Material $ / Foot	0.00	7.00	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.79	Material $ / Foot	0.20	0.79	0.20
1	Each	Install Cable Guy	Labor $$ / Foot	63.00	Material $ / Foot	63.00	63.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / Foot	17.50	Material $ / Foot	12.60	17.50	12.60

OSP CABLE CONSTRUCTION

Zone:	7

Rural Area

Special Secured Area

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Foot	Aerial Fiber - 6 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Aerial Fiber - 6 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Aerial Fiber - 6 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Aerial Fiber - 12 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Aerial Fiber - 12 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Aerial Fiber - 12 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Aerial Fiber - 24 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.89	1.75	1.89
1	Foot	Aerial Fiber - 24 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.58	1.75	1.58
1	Foot	Aerial Fiber - 24 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.53	1.75	0.53
1	Foot	Aerial Fiber - 48 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	3.25	1.75	3.25
1	Foot	Aerial Fiber - 48 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	2.54	1.75	2.54
1	Foot	Aerial Fiber - 48 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	0.73	1.75	0.73
1	Foot	Aerial Fiber - 96 Strand Multimode 62.5 micron	Labor $$ / Foot	1.75	Material $ / Foot	6.37	1.75	6.37
1	Foot	Aerial Fiber - 96 Strand Multimode 50.0 micron	Labor $$ / Foot	1.75	Material $ / Foot	4.94	1.75	4.94
1	Foot	Aerial Fiber - 96 Strand Singlemode 8.3 micron	Labor $$ / Foot	1.75	Material $ / Foot	1.29	1.75	1.29
1	Foot	Aerial Copper - 25 Pair OSP Copper	Labor $$ / Foot	2.10	Material $ / Foot	0.85	2.10	0.85
1	Foot	Aerial Copper - 50 Pair OSP Copper	Labor $$ / Foot	2.98	Material $ / Foot	1.53	2.98	1.53
1	Foot	Aerial Copper - 100 Pair OSP Copper	Labor $$ / Foot	3.85	Material $ / Foot	2.77	3.85	2.77
1	Foot	Directional Bore 2" Conduit	Labor $$ / Foot	14.00	Material $ / Foot	1.29	14.00	1.29
1	Foot	Directional Bore 4" Conduit	Labor $$ / Foot	19.25	Material $ / Foot	3.88	19.25	3.88
1	Foot	Install 1" Innerduct in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.55	1.75	0.55
1	Foot	Install 6 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.81	1.75	0.81
1	Foot	Install 6 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.09	1.75	1.09
1	Foot	Install 6 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.37	1.75	0.37
1	Foot	Install 12 Strand Multimode 62.5 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.15	1.75	1.15
1	Foot	Install 12 Strand Multimode 50.0 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.54	1.75	1.54
1	Foot	Install 12 Strand Singlemode 8.3 micron Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.45	1.75	0.45
1	Foot	Install 25 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	0.85	1.75	0.85
1	Foot	Install 50 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	1.53	1.75	1.53
1	Foot	Install 100 Pair OSP Copper Cable in Conduit	Labor $$ / Foot	1.75	Material $ / Foot	2.77	1.75	2.77
1	Foot	Trench	Labor $$ / Foot	8.75	Material $ / Foot	0.00	8.75	0.00
1	Foot	Install Cable Strand	Labor $$ / Foot	0.96	Material $ / Foot	0.30	0.96	0.30
1	Each	Install Cable Guy	Labor $$ / each	63.00	Material $ / each	63.00	63.00	63.00
1	Foot	Ground Cable Strand	Labor $$ / each	17.50	Material $ / each	12.60	17.50	12.60

Non-Area Specific

QTY	Units	Item Description					TOTAL COST	
							Labor	Material
1	Each	Slot Manhole	Labor $$ / Each	210.00	Material $ / Foot	0.00	210.00	0.00
1	Each	Slot Handhole	Labor $$ / Each	210.00	Material $ / Foot	0.00	210.00	0.00
1	Each	Install 6' x 8' x 10' Manhole	Labor $$ / Each	4,340.00	Material $ / Foot	8694.00	4,340.00	8,694.00
1	Each	Install 4' x 4' x 4' Manhole	Labor $$ / Each	3,080.00	Material $ / Foot	2520.00	3,080.00	2,520.00