

# San Diego Community College District

## Request for Information Data/Telecom Low Voltage Structured Cabling

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Prepared By:	San Diego Community College District
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## 1 EXECUTIVE SUMMARY

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For approximately the last fifteen years, the San Diego Community College District (SDCCD) has standardized on the CommScope Systimax line of structured cabling system components. In an effort to encourage competition, address concurrent project demands, and ensure SDCCD is getting the best market pricing possible, SDCCD is requesting information from other manufacturers of equal quality and similar market strength to the Systimax line of structured cabling system components. According to Dataquest those competitors are Tyco, AMP, Digilink, Molex, Krone, Belden, Siemon, NextLan, Uniprise, and Panduit. Offshore products without significant market share and higher education references will not be considered. This information will assist SDCCD in determining whether an additional product standard will be selected (in addition to the Systimax standard). To be considered, manufacturers must: 1) demonstrate extensive industry expertise and specialized certifications of their authorized resellers/installers; 2) maintain sufficient numbers of local authorized resellers/installers; 3) maintain sufficient inventories to complete major projects within 45 day notice; 4) offer a comprehensive end-to-end warranty of all products, cables and installation services; and 5) provide three (3) higher education client references (preferably in California).

Based upon the manufacturer selection process and the responses to the RFI, a Request for Qualifications/Request for Proposal (RFQ/RFP) will be issued to the list of resellers/installers that are authorized by the manufacturer to provide installation, maintenance and warranty services for the manufacturer's product line.

From the RFQ/RFP, SDCCD will prequalify resellers/installers and when a job becomes available, SDCCD will send bid requirements to each of the prequalified resellers/installers. Once the bids are returned to SDCCD, SDCCD will award the job to the most qualified and cost effective bidder. Bidders will be required to comply with all terms and conditions of the job as well as provide the service as specified by the product manufacturer.

SDCCD has dedicated IT project managers that monitor and inspect all aspects of the current and planned low voltage data/telecom infrastructure. The manufacturer and resellers/installers will be required to coordinate with the IT department on all tasks including design, adds, moves, changes, and warranty work performed.

This RFI is issued as a means of identifying manufacturers, their products and warranties as well as their qualified resellers/installers that offer structured data/telecom cabling solutions within the greater San Diego County area. This RFI should not be construed as a solicitation nor should it be construed as an obligation on the part of SDCCD to make any purchases. This RFI should not be construed as a means to prequalify resellers/installers. SDCCD may utilize the results of this RFI in drafting a Request for Qualification (RFQ) or Request for Proposal (RFP) for the subject services/products/equipment. Any future contract that may be awarded must comply with SDCCD procurement requirements.

Participation in this RFI is voluntary and SDCCD will not pay for the preparation of any information submitted by a respondent or for SDCCD use of that information

## 2 SDCCD OVERVIEW

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The mission of the San Diego Community College District is to provide accessible, high quality learning experiences to meet the educational needs of the San Diego community.

The San Diego Community College District is a multicultural institution with diverse colleges and continuing education sites and varied priorities. However, we are bound together as an operational unit by a philosophical base of shared values and a shared vision of the future. We share the twin ideals of access and excellence. We are an institution which responds to the unique needs of local communities and student populations. We share an important role as a builder of communities from the classroom to the campus and beyond to the larger components of society. To these ends, teaching and learning are our highest priorities. Today we share the aspirations of our community as we move toward the 21st century.

The San Diego Community College District's construction bond program, funded by voter-approved Proposition S, a \$685 million bond passed in 2002, and Proposition N, an \$870 million bond passed in 2006, is providing for new, state-of-the-art instructional and career training facilities; major renovations; student and public safety enhancements; parking facilities and campus-wide infrastructure projects at City, Mesa and Miramar Colleges, and six Continuing Education campuses located throughout San Diego.

SDCCD is proud to have been awarded Standard and Poor's bond performance rating of AA+; the highest possible rating and the highest of any community college in California. SDCCD has also been awarded a perfect score of 100% for bond performance from the San Diego County Taxpayers Association. Our growing number of awards and recognitions includes a rare "San Diego Public Owner Award" by the Associated General Contractors (AGC) of San Diego, which described the construction program as "innovative" and an "outstanding value" for taxpayers.

At the outset of the construction program, Facility Master Plans were developed for City, Mesa and Miramar Colleges to lay the foundation for the development of individual college needs and goals and also allow for flexibility to respond to future changes. These Master Plans stress thoughtful stewardship of fiscal and environmental resources, and reinforce each campus' role as a community resource. A construction Master Schedule is in place to help sequence construction to minimize disruptions to the campuses and ensure that all projects are completed on time, within budget, and as approved by the voters.

### **3 PROJECT OVERVIEW**

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#### **Definition of Structured Cabling System**

A manufacturer's comprehensive suite of fiber, copper cables and termination products designed to provide high speed backbone connectivity; data center connectivity; vertical connectivity; and horizontal connectivity solutions that meet or exceed EIA/TIA 568 and ISO11801 cabling standards.

#### **General Requirements**

1. Provide a structured low voltage data/telecom cabling solution that can be integrated into the existing SDCCD infrastructure. The solution must include:
  - Copper Category 6 inside plant plenum rated solution.
  - Copper Category 6 outside plant solution.
  - Copper Category 3 inside plant plenum rated solution.
  - Copper Category 3 outside plant solution.
  - Single Mode and Multimode Fiber Optic inside plant solution.
  - Single Mode and Multimode Fiber Optic outside plant solution.
  - Data/telecom room equipment as specified.
2. Provide a minimum of a 20 year manufacturer warranty for all products and installation.
3. Products must adhere to all applicable industry EIA/TIA standards and support open architecture and be non-proprietary.
4. Manufacturer must have a Building Industry Consulting Service International (BICSI) Registered Communications Distribution Designer (RCDD) and must require each certified reseller/installer to maintain at least one RCDD on staff. Only those manufacturer authorized resellers/installers who have an RCDD on staff will be able to bid on SDCCD cabling projects.
5. Manufacturer (using on staff RCDD) must inspect and certify that all installations meet manufacturer's specifications and warranty requirements.
6. Provide design, maintenance and installation of structured data/telecom cable infrastructure services.
7. Manufacturer must be willing to submit samples of any components requested for testing and quality review.

#### **Benefits**

1. A reliable, scalable and cost effective high speed data/telecom cabling infrastructure for current and future SDCCD requirements.
2. Uniform and consistent approach to structured cable installation utilizing current standards and practices.

**Scope**

The manufacturer will be required to actively support SDCCD and their qualified resellers/installers in the installation, warranty and maintenance of their product.

The manufacturer will be required to provide certified training for their resellers/installers as well as making their training available to SDCCD.

The manufacturer will be required to provide periodic reviews on updates to their product and services lines as well as trends within their industry.

## **4 RFI REQUIREMENTS PROCESS**

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### **4.1 PARTICIPATION TO RFI**

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All manufacturers confirming their participation should send the completed RFI to the attention of:

Cindy Lasley, Contract Specialist  
San Diego Community College District  
3375 Camino del Rio South, Suite 310  
San Diego, CA 92108

### **4.2 RFI SCHEDULE**

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RFI key dates are the following:

March 29, 2011	RFI made available to the responders
April 13, 2011	Deadline for addressing questions
April 21, 2011 – 2:00 pm	Deadline for receiving response (all material)
May 3, 2011	Responses to be evaluated. Responders may be invited to present solution to SDCCD (presentation meetings, not negotiation meetings). Live demonstrations may be launched at this presentation.
May 12, 2011	Decision to launch an RFQ

### **4.3 RFI RELATED QUESTIONS / CLARIFICATIONS / SUBMISSION**

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All questions related to this RFI should be directed to

**San Diego Community College District**  
*Cindy Lasley, Contract Specialist*  
*San Diego Community College District*

*clasley@sdccd.edu*

Vendors must ensure that the information is delivered to the following address on or before **April 13, 2011**.

**San Diego Community College District**

Any notices with respect to this RFI should also be mailed to the above Contact and Address.

#### **4.3.1 Liabilities of Agency**

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This RFI is only a request for information about potential products / services and no contractual obligation on behalf of SDCCD whatsoever shall arise from the RFI process.

This RFI does not commit SDCCD to pay any cost incurred in the preparation or submission of any response to the RFI.

#### 4.3.2 Confidentiality & RFI Ownership

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**RFI Ownership:** All responses to the RFI will become the property of SDCCD and will not be returned.

#### 4.3.3 Examples of CommScope Systemax products typically used by the San Diego Community College District

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1. Unshielded Twisted pair (UTP) Wire (4 pair – Plenum) -- Systemax GigaSPEED XL
  - Systemax 2071E, Product Code 700208093, Blue, Plenum rated indoor cable
  - Must adhere to ANSI/TIA/EIA-568B Commercial Building Telecommunications Wiring Standard for Category 6 cable
2. Unshielded Twisted pair (UTP) Wire (4 pair – Outdoor)
  - Systemax 1571, 23 AWG, Product Code 760008888, Outside Plant Cable (OSP) gel filled
  - Must adhere to ANSI/TIA/EIA-568B Commercial Building Telecommunications Wiring Standard for Category 6 cable
3. Outside Plant Category 3 Cable
  - Systemax ANMW, 23 AWG, Outside Plant Cable (OSP) gel filled
  - Must adhere to ANSI/TIA/EIA-568B Commercial Building Telecommunications Wiring Standard for Category 6 cable
  - Product Code 106583933, UTP OSP Cat3 100pr, ASP filled, 'ANMW'
  - Product Code 106583966, UTP OSP Cat3 300pr, ASP filled, 'ANMW'
4. Indoor Plant Category 3 Cable
  - Systemax 2010, Plenum rated indoor cable
  - Must adhere to ANSI/TIA/EIA-568B Commercial Building Telecommunications Wiring Standard for Category 6 cable
  - Product Code 107765992, UTP ISP CMP Cat3 25pr, '2010'
  - Product Code UTP ISP CMP Cat3 100pr, '2010'
5. Fiber Optic Cable Multimode 62.5/125 micron (outdoor)
  - Systemax OptiSPEED, Outside Plant Cable (OSP) gel filled
  - Product Code 700010689, OF OSP MM 62.5/125, 24 Strand, non-armor
6. Fiber Optic Cable Multimode 62.5/125 micron (indoor)
  - Systemax OptiSPEED, Inside Plant Cable (ISP)
  - Product Code 700009392, OF ISP MM 62.5/125, 12 Strand, OFNP
7. Fiber Optic Cable Multimode 50/125 micron (outdoor)
  - Systemax LazrSPEED, Outside Plant Cable (OSP) gel filled
  - Product Code 700012362, OF OSP MM 62.5/125, 24 Strand, non-armor
8. Fiber Optic Cable Multimode 50/125 micron (indoor)
  - Systemax LazrSPEED, Inside Plant Cable (ISP)
  - Product Code 700009731, OF ISP MM 62.5/125, 12 Strand, OFNP

9. Fiber Optic Cable Singlemode 10 micron (outdoor)
  - Systimax TeraSPEED, Outside Plant Cable (OSP) gel filled
  - Product Code 760004044, OF OSP SM 8.3, 24 Strand, non-armor
10. Fiber Optic Cable Singlemode 10 micron (indoor)
  - Systimax TeraSPEED, Inside Plant Cable (ISP)
  - Product Code 760004358, OF ISP SM 8.3, 12 Strand, OFNP
11. Fiber Patch Cords – STII+/STII+ – Multimode
  - Systimax LazrSPEED Multimode, Duplex with STII+ connectors on each end
  - Product Code FPC-XEPEP32-RFxxx, xxx represents 2 foot to 50 foot lengths
12. Fiber Patch Cords – STII+/STII+ – Singlemode
  - Systimax TeraSPEED Singlemode, Duplex with STII+ connectors on each end
  - Product Code FPC-WEPEP32-RFxxx, xxx represents 2 foot to 50 foot lengths
13. Fiber Patch Cords – STII+/LC – Singlemode
  - Systimax TeraSPEED Singlemode, Duplex with STII+ connectors on one end and LC connector on opposite end
  - Product Code FPC-WLCEP32-RFxxx, xxx represents 2 foot to 50 foot lengths
14. Fiber Interconnection Unit 24 Port
  - Systimax Connectivity Cabinet (Lightbox)
  - Product Code 760028324, OF G2 Connectivity Cabinet, 24 Port, '600G2-1U-UP-SD'
15. Fiber Interconnection Unit 72 Port
  - Systimax Connectivity Cabinet (Lightbox)
  - Product Code 760023200, OF G2 Connectivity Cabinet, 72 Port, '1000G2-4U-MOD-SD'
16. Fiber Connectivity Panel Multimode
  - For either Fiber Interconnection Unit 24 Port or 72 Port)
  - Product Code 700004864, OF G2 connectivity panel, 'MODG2-6ST-MM'
17. Fiber Connectivity Panel Singlemode
  - For either Fiber Interconnection Unit 24 Port or 72 Port)
  - Product Code 760032219, OF G2 connectivity panel, 'MODG2-6ST-SM'
18. Fiber Panel Adapter Multimode
  - Adapters for Fiber Connectivity Panel Multimode
  - Product Code 700004864, OF G2 connectivity panel, 'MODG2-6ST-MM'
19. Fiber Panel Adapter Singlemode
  - Adapters for Fiber Connectivity Panel Singlemode
  - Product Code 700011133, OF G2 connectivity panel, 'MODG2-6ST-SM'
20. 110 Wiring Blocks
  - Systimax Category 6 certified and fully populated with 110C-4 pair connecting blocks for horizontal cable terminations
  - Product Code 107058891, 110 wiring block, '110AW2-100FT'

21. Patch Panel 48 Port GigaSPEED Category 6
  - Must be 48 ports 100/1000base-T with RJ45 front connectors and 110 connector terminations on rear of panel installation of 22 to 24 AWG cable
  - Must be designed to fit into standard 19" racks or cabinets
  - Systimax Category 6 certified for horizontal cable terminations
  - Material Code 760062380, patch panel, '1100GS3-48'
22. Patch Panel 24 Port GigaSPEED Category 6
  - Must be 24 ports 100/1000base-T with RJ45 front connectors and 110 connector terminations on rear of panel installation of 22 to 24 AWG cable
  - Must be designed to fit into standard 19" racks or cabinets
  - Systimax Category 6 certified for horizontal cable terminations
  - Material Code 760062380, patch panel, '1100GS3-24'
23. Modular Faceplates
  - Systimax M Series modular information faceplates M1xL, white color (where x is number of ports 2,4,or 6)
  - Must include mounting screws, and label cards with covers
  - Product Code 108168xxx, where xxx is 469 (2-ports) 543 (4-ports) and 584 (6-ports)
24. Category 6 UTP Patch Cable with Modular Connectors – Gray Color
  - Systimax GigaSPEED XL GS8E-DG-xx, where xx represents 01 to 25 foot lengths
  - Must be GRAY in color for workstation application with RJ45 connectors
  - Must be 24 AWG, 4 pair Unshielded Twisted Pair (UTP) cable, and Category 6 certified
  - Product Code CPC3312-03, Modular Patch Cord, Dark Gray
25. Category 6 UTP Patch Cable with Modular Connectors – Blue Color
  - Systimax GigaSPEED XL GS8E-LB-xx, where xx represents 01 to 25 foot lengths
  - Must be BLUE in color for workstation application with RJ45 connectors
  - Must be 24 AWG, 4 pair Unshielded Twisted Pair (UTP) cable, and Category 6 certified
  - Product Code CPC3312-02, Modular Patch Cord, Light Blue
26. Category 6 UTP Patch Cable with Modular Connectors – Green Color
  - Systimax GigaSPEED XL GS8E-GN-xx, where xx represents 01 to 25 foot lengths
  - Must be GREEN in color for workstation application with RJ45 connectors
  - Must be 24 AWG, 4 pair Unshielded Twisted Pair (UTP) cable, and Category 6 certified
  - Product Code CPC3312-04, Modular Patch Cord, Spring Green
27. Category 6 UTP Patch Cable with Modular Connectors – Ivory Color
  - Systimax GigaSPEED XL GS8E-IV-xx, where xx represents 01 to 25 foot lengths
  - Must be IVORY in color for workstation application with RJ45 connectors
  - Must be 24 AWG, 4 pair Unshielded Twisted Pair (UTP) cable, and Category 6 certified
  - Product Code CPC3312-05, Modular Patch Cord, Ivory

28. Category 6 UTP Patch Cable with Modular Connectors – White Color
  - Systimax GigaSPEED XL GS8E-DG-xx, where xx represents 01 to 25 foot lengths
  - Must be WHITE in color for workstation application with RJ45 connectors
  - Must be 24 AWG, 4 pair Unshielded Twisted Pair (UTP) cable, and Category 6 certified
  - Product Code CPC3312-08, Modular Patch Cord, White
29. Open Floor Distribution Rack
  - Chatsworth 66353-703, 19-inch, free standing, seven (7) foot rack, black aluminum
  - Product Code 66353-703, rack, standard, 7'x19", 6" channel
30. Horizontal Cable Management
  - Chatsworth 30330-703, 19-inch, with hinged snap-on cover
  - Product Code 30330-703, cable management, horizontal, black
31. Vertical Cable Management
  - Chatsworth 30095-703, 6 inches wide, 7 foot height, double sided, black aluminum, with hinged snap-on cover
  - Product Code 30095-703, cable management, horizontal, black
32. Universal Cable Management
  - Chatsworth 10250-724, 24 inches wide, 9' 11 ½" length, black
  - Product Code 10250-724
33. Cable Runway Radius Drop, Cross Member
  - Chatsworth 12100-718, 17 inches wide, black with 3 cable spools
  - Product Code 12100-718
34. Cable Runway radius Drop, Stringer (10 ¼")
  - Chatsworth 12101-701, 10 ¼" wide, black with 3 cable spools
  - Product Code 12101-701
35. Cable Runway radius Drop, Stringer (7 ¾")
  - Chatsworth 12101-702, 7 ¾" wide, black with 2 cable spools
  - Product Code 12101-702
36. Cable Runway radius Drop, Stringer (5")
  - Chatsworth 12101-703, 5" wide, black with 2 cable spools
  - Product Code 12101-703
37. Double-Sided Shelf
  - Chatsworth 12293-719, 19 inches wide, 20.08 inches deep, black aluminum
  - Product Code 12293-170
38. Filler Panels
  - Chatsworth 30026-70x where x identifies one of the following sizes: 2U (3.47"), 4U (6.97"), 6U (10.47"), 8U (13.97"). Panels are 19 inches wide, 1/8" thick, Black aluminum
  - Product Code 30026-70x

39. Cable Retaining Post
  - Chatsworth 10596-706, 6 inches tall, black
  - Product Code 10596-706
40. Channel Rack-To-Runway Mounting Plate
  - Chatsworth 12408-724, 24 inches wide, 3 Channel Rack-To-Runway Mounting Plate, black
  - Product Code 12408-724
41. Patch Panel Wire Management Bar
  - Chatsworth 12176-701, 19" rack mountable, black for strain relief required by ANSI/TIA/EIA-568-B wiring to patch panels
  - Product Code 12176-701
42. UTP Entrance Protection
  - Systimax 1029950xx, where xx denotes either 50 pair "73" or 100 pair "99"
  - Must meet all ANSI/TIA/EIA standards for Category 5 cable
  - Must be wall mounted on backboards
  - Product Code 1029950xx, entrance protector – xx pair, stub/stub, 190-type
43. Wall-Mount Cabinet
  - Chatsworth 12419-7YY, where YY denotes size of cabinet 24xYYx30, black
  - Product Code 12419-7YY, CUBE-IT wall-mount cabinet, 24xYYx30, black
44. Patch Panel Category 5, Voice Panel 48 port
  - Must be 48 ports 10/100base-T with RJ45 front connectors and 50-pin connectors on back
  - Must be designed to fit into standard 19" racks or cabinets
  - Systimax Category 5 certified for horizontal cable terminations
  - Product Code 108208935, patch panel, '1100PSCAT5E-48', voice
45. Patch Panel Category 5, Voice Panel 24 port
  - Must be 24 ports 10/100base-T with RJ45 front connectors and 50-pin connectors on back
  - Must be designed to fit into standard 19" racks or cabinets
  - Systimax Category 5 certified for horizontal cable terminations
  - Product Code 108208919, patch panel, '1100PSCAT5E-24', voice
46. InstaPatch Cable – 2x6
  - Must meet all ANSI/EIA/TIA standards for Category 6 terminations and testing
  - Product Code C12B1A-Q5A-xx, where xx is length of cables, InstaPatch cu, 12port 6x2
47. InstaPatch Cable – 1x6
  - Must meet all ANSI/EIA/TIA standards for Category 6 terminations and testing
  - Product Code C06B1A-T2X-xx, where xx is length of cables, InstaPatch cu, 6port 6x1

**END OF SECTION**

## 5 RESPONSE FORMAT

	Question	Response
	Vendor Information	
	Name and title of person responsible for the information contained in this RFI	
	Address Telephone number Fax number Email address Web page	
Index	Question	
1	Do you manufacture a comprehensive suite of Structured Cable (SCS) components?	Attach as required.
2	Do you manufacture all the termination hardware utilized in your SCS solution?	Attach as required
3	Do you manufacture all the copper and fiber cable utilized in your solution?	Attach as required
4	Do you partner with any other company or manufacturer to provide this comprehensive Structured Cable System solution? If so, who and why?	Attach as required
5	Do you offer inside plant Category 3, 5E, 6, and 6A plenum and riser rated cable and termination hardware?	Attach as required
6	Do you offer outside plant Category 3, 5E, 6, and 6A rated cable and termination hardware?	Attach as required
7	Do you offer inside and outside plant Single-Mode and Multi-Mode fiber optic cable and termination hardware?	Attach as required
8	Do you offer a minimum of a 20 year comprehensive warranty on all products and installation services? If yes, please provide a copy of your warranty document including any and all limitations.	Attach as required
9	Will you offer SDCCD greater than a 20 year warranty including all products and installation labor?	Attach as required
10	As the manufacturer, will you warranty all products and installation costs if SDCCD has any problem with any of your products and installation work product from any of your certified installers?	Attach as required
11	As the manufacturer will you inspect and certify that all installations meet with your standards (including EIA/TIA 568 ISO11801 standards) and your warranty requirements?	Attach as required

12	Do you have any structured cable installations in other Higher Education facilities (preferably within California)?	Attach as required.
13	Do you require your resellers and installers to maintain any regular certifications on your products? If so, please describe your certification program.	Attach as required
14	How often do your installers require recertification?	Attach as required
15	Do you have different levels of certified resellers and installers? If so, please describe how you differentiate these resellers and installers.	Attach as required
16	Do you require your “certified installers” to maintain at least one RCDD on staff? Do you require them to maintain more than one RCDD on staff?	Attach as required
17	How many certified installers do you have in San Diego County?	Attach as required
18	Does your warranty cover installation defects?	Attach as required
19	Does your warranty cover copper and fiber products and installation?	Attach as required
20	What does your installation certification program consist of?	Attach as required.
21	What is your standard lead time for cable, fiber or termination hardware?	Attach as required.
22	Please provide a list of certified installers and contact information for the San Diego and Southern California area.	Attach as required.
23	Do you have supply warehouses or a distribution center in the Southern California area that stock your product line?	Attach as required
24	Please provide three catalogs of all SCS products INCLUDING List Pricing for all products.	Attach as required
25	As the manufacturer, do you extend an educational discount through your resellers/installers?	Attach as required
26	Please provide any documentation on your cabling, fiber optic or termination hardware solution.	Attach as required

**PROJECT REFERENCES -- (APPENDIX -- I)**

The manufacturer should list at least three previous Higher Education projects achieved providing the following:

- Name of client including contact information.
- Size of structured cable plant supported at the institution

G. PARTS AND LABOR COST RESPONSE FORM

1. Educational Discount if exists \_\_\_\_\_%

Please list any exclusions, exceptions or limitations

2. Materials - Per sample specifications in RFQ Document

ITEM	ESTIMATED QTY	UNIT	SAMPLE COMMSCOPE SYSTIMAX DESCRIPTION	PLEASE INSERT YOUR PART NUMBER AND DESCRIPTION	UNIT LIST COST	EXTENDED COST (Unit Cost x Qty)
1	400,000	FT	UTP 4 pair Plenum cable - GigaSPEED XL		\$	\$
2	50,000	FT	UTP 4 Pair Outdoor cable - Systemax 1571		\$	\$
			<b>Outdoor ANMW ASP Filled Cable</b>			
3a	100,000	FT	100 Pair Category 3 Outdoor ANMW ASP Filled Cable		\$	\$
3b	100,000	FT	300 Pair Category 3 Outdoor ANMW ASP Filled Cable		\$	\$
			<b>Indoor 2010 Cable</b>			
4a	1,000	FT	25 Pair Category 3 Indoor 2010 Cable		\$	\$
4b	1,000	FT	100 Pair Category 3 Indoor 2010 Cable		\$	\$
5	25,000	FT	Fiber Optic Cable Multimode 62.5 micron (outdoor)		\$	\$
6	10,000	FT	Fiber Optic Cable Multimode 62.5 micron (indoor)		\$	\$
7	50,000	FT	Fiber Optic Cable Multimode 50 micron (outdoor)		\$	\$
8	10,000	FT	Fiber Optic Cable Multimode 50 micron (indoor)		\$	\$
9	50,000	FT	Fiber Optic Cable Singlemode 10 micron (outdoor)		\$	\$
10	10,000	FT	Fiber Optic Cable Singlemode 10 micron (indoor)		\$	\$
			<b>Fiber Patch cords - STII+/STII+ Multimode</b>			
11a	20	EA	FPC-XEPEP32-RF002 2FT		\$	\$
11b	10	EA	FPC-XEPEP32-RF004 4FT		\$	\$
11c	10	EA	FPC-XEPEP32-RF006 6FT		\$	\$
11d	10	EA	FPC-XEPEP32-RF008 8FT		\$	\$
11e	10	EA	FPC-XEPEP32-RF010 10FT		\$	\$
11f	10	EA	FPC-XEPEP32-RF020 20FT		\$	\$

ITEM	ESTIMATED QTY	UNIT	SAMPLE COMMSCOPE SYSTMIX DESCRIPTION	PLEASE INSERT YOUR PART NUMBER AND DESCRIPTION	UNIT LIST COST	EXTENDED COST (Unit Cost x Qty)	
			<b>Fiber Patch Cords – STII+/STII+ - Singlemode</b>				
12a	20	EA	FPC-WEPEP32-RF002 2FT		\$	\$	
12b	10	EA	FPC-WEPEP32-RF004 4FT		\$	\$	
12c	10	EA	FPC-WEPEP32-RF006 6FT		\$	\$	
12d	10	EA	FPC-WEPEP32-RF008 8FT		\$	\$	
12e	10	EA	FPC-WEPEP32-RF010 10FT		\$	\$	
12f	10	EA	FPC-WEPEP32-RF020 20FT		\$	\$	
			<b>Fiber Patch Cords – STII+/LC- Singlemode</b>				
13a	10	EA	FPC-WEPLC32-RF002 2FT		\$	\$	
13b	10	EA	FPC-WEPLC32-RF004 4FT		\$	\$	
13c	10	EA	FPC-WEPLC32-RF006 6FT		\$	\$	
13d	10	EA	FPC-WEPLC32-RF008 8FT		\$	\$	
13e	10	EA	FPC-WEPLC32-RF010 10FT		\$	\$	
13f	10	EA	FPC-WEPLC32-RF020 20FT		\$	\$	
14	4	EA	Fiber Interconnect Unit 24 Port		\$	\$	
15	4	EA	Fiber Interconnect Unit 72 Port		\$	\$	
16	4	EA	Fiber Connectivity Panel Multimode		\$	\$	
17	4	EA	Fiber Connectivity Panel Singlemode		\$	\$	
18	24	EA	Fiber Panel Adapter Multimode		\$	\$	
19	24	EA	Fiber Panel Adapter Singlemode		\$	\$	
20	50	EA	110 Wiring Blocks		\$	\$	
21	50	EA	Patch Panel 48 Port GigaSPEED – Category 6		\$	\$	
22	50	EA	Patch Panel 24 Port GigaSPEED – Category 6		\$	\$	
			<b>Modular Faceplate White Color</b>				
23a	500	EA	M12L 2 port faceplate		\$	\$	
23b	500	EA	M14L 4 port faceplate		\$	\$	
23c	500	EA	M16L 6 port faceplate		\$	\$	
23d	1000	EA	GigaSPEED XL MGS400 Information Outlets Blue Color		\$	\$	

ITEM	ESTIMATED QTY	UNIT	SAMPLE COMMSCOPE SYSTMIX DESCRIPTION	PLEASE INSERT YOUR PART NUMBER AND DESCRIPTION	UNIT LIST COST	EXTENDED COST (Unit Cost x Qty)
<b>Category 6 UTP Patch Cable – Gray Color</b>						
24a	100	EA	GS8E-GRY2 2FT		\$	\$
24b	100	EA	GS8E-GRY3 3FT		\$	\$
24c	100	EA	GS8E-GRY4 4FT		\$	\$
24d	100	EA	GS8E-GRY5 5FT		\$	\$
24e	100	EA	GS8E-GRY6 6FT		\$	\$
24f	100	EA	GS8E-GRY8 8FT		\$	\$
24g	100	EA	GS8E-GRY10 10FT		\$	\$
24h	100	EA	GS8E-GRY15 15FT		\$	\$
24i	100	EA	GS8E-GRY25 25FT		\$	\$
<b>Category 6 UTP Patch Cable – Blue Color</b>						
25a	100	EA	GS8E-BL2 2FT		\$	\$
25b	100	EA	GS8E-BL3 3FT		\$	\$
25c	100	EA	GS8E-BL4 4FT		\$	\$
25d	100	EA	GS8E-BL5 5FT		\$	\$
25e	100	EA	GS8E-BL6 6FT		\$	\$
25f	100	EA	GS8E-BL8 8FT		\$	\$
25g	100	EA	GS8E-BL10 10FT		\$	\$
25h	50	EA	GS8E-BL15 15FT		\$	\$
25i	50	EA	GS8E-BL25 25FT		\$	\$
<b>Category 6 UTP Patch Cable – Green Color</b>						
26a	100	EA	GS8E-GR2 2FT		\$	\$
26b	100	EA	GS8E-GR3 3FT		\$	\$
26c	100	EA	GS8E-GR4 4FT		\$	\$
26d	100	EA	GS8E-GR5 5FT		\$	\$
26e	100	EA	GS8E-GR6 6FT		\$	\$
26f	100	EA	GS8E-GR8 8FT		\$	\$
26g	100	EA	GS8E-GR10 10FT		\$	\$
26h	50	EA	GS8E-GR15 15FT		\$	\$
26i	50	EA	GS8E-GR25 25FT		\$	\$

ITEM	ESTIMATED QTY	UNIT	SAMPLE COMMSCOPE SYSTMIX DESCRIPTION	PLEASE INSERT YOUR PART NUMBER AND DESCRIPTION	UNIT LIST COST	EXTENDED COST (Unit Cost x Qty)
			<b>Category 6 UTP Patch Cable – Ivory Color</b>			
27a	100	EA	GS8E-IV2 2FT		\$	\$
27b	100	EA	GS8E-IV3 3FT		\$	\$
27c	100	EA	GS8E-IV4 4FT		\$	\$
27d	100	EA	GS8E-IV5 5FT		\$	\$
27e	100	EA	GS8E-IV6 6FT		\$	\$
27f	100	EA	GS8E-IV8 8FT		\$	\$
27g	100	EA	GS8E-IV10 10FT		\$	\$
27h	50	EA	GS8E-IV15 15FT		\$	\$
27i	50	EA	GS8E-IV25 25FT		\$	\$
			<b>Category 6 UTP Patch Cable – White Color</b>			
28a	100	EA	GS8E-WH2 2FT		\$	\$
28b	100	EA	GS8E-WH3 3FT		\$	\$
28c	100	EA	GS8E-WH4 4FT		\$	\$
28d	100	EA	GS8E-WH5 5FT		\$	\$
28e	100	EA	GS8E-WH6 6FT		\$	\$
28f	100	EA	GS8E-WH8 8FT		\$	\$
28g	100	EA	GS8E-WH10 10FT		\$	\$
28h	50	EA	GS8E-WH15 15FT		\$	\$
28i	50	EA	GS8E-WH25 25FT		\$	\$
29	20	EA	Open Floor Distribution Rack - 19" Chatworth		\$	\$
30	100	EA	Horizontal Cable Management		\$	\$
31	40	EA	Vertical Cable Management		\$	\$
32	20	EA	Universal Cable Runway		\$	\$
33	20	EA	Cable Runway Radius Drop, Cross Member		\$	\$
34	20	EA	Cable Runway Radius Drop, Stringer (10-1/4")		\$	\$
35	20	EA	Cable Runway Radius Drop, Stringer (7-3/4")		\$	\$
36	20	EA	Cable Runway Radius Drop, Stringer (5")		\$	\$
37	20	EA	Double-Sided Shelf		\$	\$

ITEM	ESTIMATED QTY	UNIT	SAMPLE COMMSCOPE SYSTMIX DESCRIPTION	PLEASE INSERT YOUR PART NUMBER AND DESCRIPTION	UNIT LIST COST	EXTENDED COST (Unit Cost x Qty)	
			<b>Filler Panels, 19" Rack</b>				
38a	20	EA	Chatworth 30026-702 2U (3.47")		\$	\$	
38b	20	EA	Chatworth 30026-704 4U (6.97")		\$	\$	
38c	20	EA	Chatworth 30026-706 6U (10.47")		\$	\$	
38d	20	EA	Chatworth 30026-708 8U (13.97")		\$	\$	
39	50	EA	Cable Retaining Post - 6"		\$	\$	
40	50	EA	Channel Rack-To-Runway Mounting Plate		\$	\$	
41	100	EA	Patch Panel Wire Management Bar Chatsworth 12176-701		\$	\$	
42a	10	EA	UTP Entrance Protection, 102995073, 50pair		\$	\$	
42b	10	EA	UTP Entrance Protection, 102995099, 100 pair		\$	\$	
43	10	EA	Wall-Mount Cabinet, 12419-724, 24x24x30		\$	\$	
44	10	EA	Wall-Mount Cabinet, 12419-730, 24x30x30		\$	\$	
45	10	EA	Wall-Mount Cabinet, 12419-7YY, 24x36x30		\$	\$	
46	14	EA	InstaPatch Cable 2x6		\$	\$	
47	16	EA	InstaPatch Cable 1x6		\$	\$	
					Total Section 2 (ITEMS 3-49) - Materials \$		

**FAILURE TO COMPLETE MAY RESULT IN THE BID BEING DEEMED NON-RESPONSIVE.**