



AUSTIN PEAY STATE UNIVERSITY
Purchasing Department
505 York Street
P.O. Box 4638
Clarksville, Tennessee 37040
Telephone (931) 221-7434
Fax (931) 221-6300

REQUEST FOR QUOTATION

1. FILE NUMBER: 12-059
2. DUE DATE – BID OPENING AT: 2:00 PM Central, Wednesday, January 25, 2012
3. FOR THE PURCHASE OF: Telecommunication Cable Installation, Repair and Services
4. FOR DELIVERY TO: Austin Peay State University, Clarksville, Tennessee
5. I (We) propose to furnish the goods and/or services specified herein, at the price(s) quoted opposite each item listed in this Request for Quotation.
6. It is understood and agreed that this quotation shall constitute an offer to sell which when accepted in writing by Austin Peay State University’s Purchasing Department, and subject to the terms and conditions of such acceptance, will constitute a valid and binding contract between the undersigned and APSU.
7. Institution is exempt from state, federal, and local taxes; do not include taxes in quotation. Quote F.O.B., Austin Peay, Clarksville, Tennessee. Minimum terms: Net 30 days. Prepayment not allowed.
8. **IMPORTANT:** This quotation must be manually signed by Seller’s person with proper signature authority. Failure to sign and submit **original signature** on this document will result in **REJECTION** of your quotation. **Quotation must be received in the Purchasing Department by the designated time or bid will be REJECTED. Faxed bids will NOT be accepted.**
9. These prices _____ will be extended _____ will not be extended to other state institutions of higher education.
10. If accepted within _____ days of bid opening (above), the undersigned offers and agrees to honor this quotation.

(Name of Corporation, Firm or Person)	(Number of Days to Make Delivery)
(Mailing Address – PO Box or Street)	(Payment Terms/Cash or Time Discounts)
(City, State, ZIP Code)	(Telephone/Fax Numbers)
(Authorized Signature for the Bidder)	(Date Signed)
(Typed or Printed Name and Title of Person Signing)	(F.O.B. Point) Austin Peay State University, Clarksville, TN



QUOTATION CERTIFICATION FORM

THIS FORM MUST BE RETURNED WITH THE REQUEST FOR QUOTATION

I certify that this quotation is not made in connection with any other bidder submitting a quotation for the same commodity(s) and this quotation is in all other respects fair and without collusion, raid or conflict of interest.

I additionally certify, by signature below and submission of this quotation, that neither my principals nor I are presently disbarred, suspended, proposed for disbarment, declared ineligible or voluntarily excluded from participation in this transaction by any Federal department or agency.

Concerning the certification above, if you are unable to certify to any of the statements in that certifications, an explanation must be attached to your quotation.

I further certify that I received, as part of this bid document, Austin Peay's Minimum Bid Terms and Conditions

Authorized Signature for Bidder	Printed or Typed Name
Title	

TYPE OF BUSINESS: (Check Only One)		ANNUAL SALES: (Check Only One)	
<input type="checkbox"/> Agriculture, Forestry or Fishing		<input type="checkbox"/> Less than \$499,999	
<input type="checkbox"/> Mining		<input type="checkbox"/> \$500,000 through \$999,999	
<input type="checkbox"/> Construction Services		<input type="checkbox"/> \$1,000,000 through \$1,499,999	
<input type="checkbox"/> Wholesale Trade		<input type="checkbox"/> \$1,500,000 or More	
<input type="checkbox"/> Retail Trade			
<input type="checkbox"/> Service Industry			
<input type="checkbox"/> Manufacturing			
BUSINESS OWNERSHIP: (Check Only One)		OWNERSHIP ETHNICITY (Check Only One)	
<input type="checkbox"/> Non-Minority	<input type="checkbox"/> Minority*	<input type="checkbox"/> African American	<input type="checkbox"/> Caucasian
<input type="checkbox"/> Government	<input type="checkbox"/> Woman	<input type="checkbox"/> Asian American	<input type="checkbox"/> Other
<input type="checkbox"/> Non-Profit	<input type="checkbox"/> Small	<input type="checkbox"/> Native American	
<input type="checkbox"/> Other		<input type="checkbox"/> Hispanic American	
		<input type="checkbox"/> Service Disable Veteran	

*MINORITY OWNERSHIP CLARIFICATION: "Minority-owned business" means a business which is solely owned, or at least 51% of the assets or outstanding stock of which is owned, by an individual who personally manages and controls the daily operations of such business and who is impeded from normal entry into the economic mainstream because of: a) Past practices of discrimination based on race, religion ethnic background or sex;)b A disability defined as a physical impairment that, in the written opinion of a person's licensed physician, substantially limits one or more than five years, (as herein, "major life activities" means caring for oneself, and performing manual task – which includes writing, walking, seeing, hearing, speaking and breathing, (T.C.A. 4-26-102); or c) Past parities or racial discrimination against African Americans (T.C.A. 12-3.802).

**AUSTIN PEAY STATE UNIVERSITY
MINIMUM GENERAL BID CONDITIONS**

1. PREPARATION AND SUBMISSION OF BID.

- a. Failure to examine any drawings, specifications, or instructions will be at the bidder's risk.
- b. **BID SUBMITTAL / SIGNATURE:** Bid shall give the full name and business address of the bidder. If the bidder is a corporation, the name shall be stated as it is in the corporate charter. Bids must be signed in ink by the bidder's authorized agent. Unsigned bids will be rejected. Bids are to be sealed and the outside of the envelope is to reference the bid number. The person signing the bid must show his title, and if requested by the institution, must furnish satisfactory proof of his or her authority to bind his or her company in contract. Bidder understands that by submitting a bid with an authorized signature, it shall constitute an offer to the institution. Bids must be typewritten or in ink; otherwise they may not be considered. Purchase orders will be issued to the firm name appearing on the bid.
- c. Bids are to be received in the location designated on the bid no later than the specified date and time. Late bids will NOT be opened or considered.
- d. No erasures permitted. Errors may be crossed out and corrections printed in ink or typewritten adjacent to error and must be initialed in ink by person signing bid.
- e. Discounts other than "Time" or "Cash" offered should be deducted from the unit price.
- ~~f. **Specifications:** Reference to available specifications shall be sufficient to make the terms of the specifications binding on the bidder. The use of the name of a manufacturer, or any special brand or make in describing an item does not restrict the bidder to that manufacturer or specific article, unless specifically stated. Comparable products of other manufacturers will be considered if proof of compatibility is contained in the bid. Bidders are required to notify the Institution's RFQ Coordinator whenever specifications/procedures are not perceived to be fair and open. All suggestions or objections shall be made in writing and received by the RFQ Coordinator at least three (3) working days prior to the bid opening. The articles on which the bids are submitted must be equal or superior to that specified. Informative and Descriptive Literature: The bidder must show brand or trade names of the articles bid, when applicable. It shall be the responsibility of the vendor, including vendors whose product is referenced; to furnish with the bid such specifications, catalog pages, brochures or other data as will provide an adequate basis for determining the quality and functional capabilities of the product offered. Failure to provide this data may be considered valid justification for rejection of bid.~~
- g. **Samples:** Samples of items when called for, must be furnished free of expense, and if not destroyed will, upon vendor's request within ten (10) days of bid opening, be returned at the bidder's expense. Each sample must be labeled with the bidder's name, manufacturer's brand name and number, bid number and item reference.
- h. **Time of Performance:** The number of calendar days in which delivery is to be made after receipt of order shall be stated in the bid and may be a factor in making an award, price notwithstanding. If no delivery time is stated in the bid, bidder agrees that delivery is to be made within two weeks (10 business days) of order.
- i. Transportation and delivery charges should be included in the price and be fully prepaid by the vendor to the destination specified in the bid. Bid prices shall include delivery of all items F.O.B. destination.
- j. New materials and supplies must be delivered unless otherwise specifically stated in the bid.
- k. Alternate/multiple bids will not be considered unless specifically called for in the bid.
- l. **Bond requirements.** The institution reserves the right to require that the selected vendor post a performance and/or payment bond in such amount as deemed reasonable by the institution. Any bond requirement should be included in the bid, itemized separately.
- m. Only bids submitted on bid forms furnished by the Institution will be considered, except that the Institution reserves the right to consider telephone, faxed or electronically submitted bids for purchases totaling less than \$25,000 if received by the deadline and confirmed in writing within five (5) days on Institution forms.
- n. By signing this bid where indicated, the bidder agrees to strictly abide by all state and federal statutes and regulations. The bidder further certifies that this bid is made without collusion or fraud.
- o. **Failure to Bid/Error in Bid.** Failure to bid without advising the Institution that future invitations for bids are desirable may result in removal from Institution's bidders' list covering this category of items. In case of error in the extension of prices in the bid, the unit price will govern. Late bids will NOT be opened or considered. Bidders are cautioned to verify their bids before submission, as amendments received after the bid deadline will not be considered. No bid shall be altered, amended or withdrawn after opening. After bid opening, a bidder may withdraw a bid only when there is obvious clerical error such as a misplaced decimal point, or when enforcement of the bid would impose unconscionable hardship due to an error in the bid resulting in a quotation substantially below the other bids received. Bid withdrawals will be considered only upon written request of the bidder.

2. INSPECTION. All bids will be publicly opened and are subject to public inspection after the award. Bidders may be present at bid opening.

3. ACCEPTANCE AND AWARD. The Institution reserves the right to reject any and all bids and to waive any informality in bids and, unless otherwise specified by the bidder to accept any item in the bid. Action to reject all bids shall be taken for unreasonably high prices, errors in the bid documents, cessation of need, unavailability of funds, or any other reason approved by the Tennessee Board of Regents.

- a. Contracts and purchases will be made with the lowest, responsible, qualified bidder. The quality of the articles to be supplied, their conformity with the specifications, their suitability to the requirements of the Institution, cash discount offered and the delivery terms will be taken into consideration.
- b. The Institution reserves the right to order up to 10% more or less than the quantity listed in the bid.
- c. If a bidder fails to state a time within which a bid must be accepted, it is understood and agreed that the Institution shall have sixty (60) days to accept.
- d. A written purchase order mailed or otherwise furnished, to the successful bidder within the time period specified in the bid results in a binding contract without further action by either party. The contract may not be assigned without written Institution consent.
- e. If the appropriate space is marked on the bid, other state institutions of higher education may purchase off the contract during the same period as the Institution.

4. DISCOUNT PERIOD. Time in connection with discount offered will be computed from the date of delivery at destination, or from the date correct invoices are received, whichever is later.

5. DEFAULT OF SELECTED VENDOR. In case of vendor default, the Institution may procure the articles or services from other sources and hold the defaulting vendor responsible for any resulting cost.

6. INSPECTION OF PURCHASES. Articles received which are not equivalent will not be accepted and will be picked up by the vendor or returned to vendor, shipping charges collect. Institution shall have a reasonable period in which to inspect and accept or reject materials without liability. If necessity requires Institution to use nonconforming materials, an appropriate reduction in payment may be made.

7. TAXES. Institution is tax exempt; do not include taxes in quotation. Vendors making improvements or additions to, or performing repair work on real property for Institution are liable for any applicable sales or use tax on tangible personal property used in connection with the contract or furnished to vendors by the state for use under the contract.

8. NONDISCRIMINATION. The Institution and bidder agree to comply with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Executive Order 11,246, the Americans with Disabilities Act of 1990 and the related regulations to each. Each party assures that it will not discriminate against any individual including, but not limited to employees or applicants for employment and/or students, because of race, religion, creed, color, sex, age, disability, veteran status or national origin.

9. PROHIBITIONS/NO VENDOR CONTRACT FORM/TENNESSEE LAW/AUDIT. Acceptance of gifts from vendors is prohibited. TCA §12-3-106. Bidding by state employees is prohibited. TCA §12-4-103. The bidder warrants that no part of the total contract amount shall be paid directly or indirectly to any officer or employee of the State of Tennessee. The contract documents for purchase under this bid request shall consist of the successful bidder's bid and the Institution's purchase order. **Bidders may not require any other written contract terms or conditions, nor may any other terms and conditions be imposed by means of subsequent documents, such as invoices, warranty agreements, license agreements, etc. Should the bidder request exceptions to terms and conditions and/or those proposed by the bidder vary from the bid and TBR Policies and Guidelines, Institution may render the bid unresponsive and subject the bid to rejection. The contract shall be governed by Tennessee law.** For all awards other than for a firm, fixed price, vendor shall maintain books and records for a period of three (3) years from final payment, and these records shall be subject to audit by the State.

10. PURCHASING POLICIES/BID PROTESTS. This bid request and any award made hereunder are subject to the policies and guidelines of the Tennessee Board of Regents (www.tbr.state.tn.us) and Institution (available upon request). Bid protest procedures are available at: http://www.tbr.state.tn.us/policies_guidelines/business_policies/4-02-10-00.htm

AUSTIN PEAY STATE UNIVERSITY
RFQ 12-059
Telecommunication Cable Installation, Repair and Services

1. SCHEDULE OF EVENTS

The following Schedule of Events represents the Institution's best estimate of the schedule that will be followed. Unless otherwise specified, the time of day for the following events will be between 8:00 a.m. and 4:30 p.m., (CST).

RFQ SCHEDULE OF EVENTS		
NOTICE: The Institution reserves the right, at its sole discretion, to adjust this schedule as it deems necessary. The Institution will communicate any adjustment to the Schedule of Events to the potential Bidders.		
EVENT	TIME	DATE (all dates are Institution business days)
1. Institution Issues RFQ		December 20, 2011
2. Pre-Bid Conference – Shasteen Conference Room	3:00 pm	January 04, 2012
3. Written Questions Deadline	4:00 pm	January 11, 2012
4. Institution Responds to Written Questions		January 18, 2012
5. Bid Deadline	2:00 pm	January 25, 2012
6. Institution Evaluations		February 01, 2012
7. Award of Bid		February 08, 2012
8. Purchase Order (Agreement PO) Effective Date		February 15, 2012

2 INTRODUCTION

2.1 Scope of Service, Agreement Period, and Required Terms and Conditions

Successful vendor shall furnish labor and materials in repairing telecommunication cables, and installing additional new telecommunication cable for Austin Peay State University.

2.2 RFQ Communications

2.2.1 Unauthorized contact regarding this RFQ with employees or officials of the Institution other than the RFQ Coordinator named below may result in disqualification from this procurement process.

2.2.2 Interested Parties must direct all communications regarding this RFQ to the following who is the Institutions only official point of contact for this RFQ.

Judy Blain

Austin Peay State University

505 York Street

(931) 221-7691

(931) 221-6300

appurchasing@apsu.edu

2.2.3 The Institution has assigned the following RFQ identification number that must be referenced in all communications regarding the RFQ-12-059.

2.2.4 Any oral communications shall be considered unofficial and non-binding with regard to this RFQ.

2.3 Written Questions/Answer Period

A question and answer period deadline is in the RFQ Section 1, Schedule of Events. The purpose of the written question/answer period is to allow Bidders to submit any questions they may have in regard to the scope of services requested. To ensure accurate, consistent responses to all known potential Bidders, the official response to questions will be issued by the Institution on the date in the RFQ Section 1, Schedule of Events.

3 GENERAL REQUIREMENTS & BLANKET ORDER INFORMATION

3.1 The Institution reserves the right, at its sole discretion, to waive a Quotation's variances from full compliance with this RFQ. If the Institution waives minor variances in a Quotation, such waiver shall not modify the RFQ requirements or excuse the Proposer from full compliance with the RFQ.

3.2 Assignment and Subcontracting

3.2.1 The Proposer awarded a Blanket Order pursuant to this RFQ may not subcontract, transfer, or assign any portion of the Order.

3.3 Right to Refuse Personnel

At its sole discretion, the Institution reserves the right to refuse any personnel, of the prime contractor for use in the performance of a contract pursuant to this RFQ.

3.4 Insurance

Successful Proposer must provide and maintain a commercial general liability policy. The policy shall provide coverage which includes, but is not limited to, bodily injury, personal injury, death, property damage and medical claims, with minimum limits of \$1,000,000 per occurrence, \$3,000,000 in the aggregate. The Proposer shall maintain workers' compensation coverage or a self-insured program as required under Tennessee law, with Employer's Liability Limits of \$100,000. The Proposer shall deliver to the Institution a certificate of insurance no later than the effective date of the Order. If any policy providing insurance required by the Order is cancelled prior to the policy expiration date, the Proposer, upon receiving a notice of cancellation, shall give immediate notice to the Institution.

The enumeration in the Order or in this document of the kinds and amounts of liability insurance shall not abridge, diminish or affect the contractor's legal responsibilities for the consequences of accidents arising out of or resulting from the services of the successful bidder under this contract.

Failure to provide evidence of such insurance coverage is a material breach and grounds for termination of the contract negotiations. Any insurance required by the Institution shall be in form and substance acceptable to the Institution.

3.5 Licensure

The apparent successful Proposer must hold all necessary, applicable business and professional licenses. The Institution will require any or all Proposers to submit evidence of proper licensure.

3.6 Financial Stability

The successful Bidder will be required to provide information to the Institution to demonstrate financial stability and capability prior to award of contract.

3.7 Blanket Order Cancellation

Either party reserves the right to cancel the contract with a thirty (30) day written notice.

3.8 Blanket Order Term

The Institution intends to enter into a blanket purchase order with an expected effective period beginning February 15, 2012 and ending February 14, 2013. The Institution reserves the right to renew the blanket order on an annual basis for up to four (4) additional one-year terms at its option. The Institution reserves the right to cancel the order if sufficient funding for its continuance is not appropriated by the General Assembly of the State of Tennessee.

3.9 Blanket Order Payments

All payments shall be made in accordance with the Order's Payment Terms and Conditions provisions. No payment shall be made until the Purchase Order is approved as required by state laws and regulations. Under no circumstances shall the Institution be liable for payment of any type associated with the Contract or responsible for any work done by the Contractor, even work done in good faith and even if the Contractor is orally directed to proceed with the delivery of services, if it occurs before contract approval by Institution officials as required by applicable statutes and rules of the State of Tennessee or before the Order start date or after the Order end date specified by the Order. Payments to the Contractor will be made in accordance with the Tennessee Prompt Pay Act (T.C.A. Section 12-4-701 et.seq.).

3.10 Monitoring

The Contractor's deliverables and services provided pursuant to this Order shall be subject to monitoring and evaluation by the Institution, by a duly appointed representative(s). The Contractor shall submit brief, periodic, progress reports to the Institution as requested.

3.11 Severability

If any provision of this RFQ is declared by a court to be illegal or in conflict with any law, the decision shall not affect the validity of the remaining RFQ terms and provisions, and the rights and obligations of the Institution and Proposers shall be construed and enforced as if the RFQ did not contain the particular provision held to be invalid.

3.12 Policy and Guideline Compliance This Quotation request and any award made hereunder are subject to the policies and guidelines of the Tennessee Board of Regents (www.tbr.edu) and the Institution (available upon request).

4.0 PROJECT NARRATIVE AND DOCUMENTATION

Telephone Services is seeking bids for small cable installations, cable repairs and telephone moves. A list of items/services to be priced is included with this bid. The bids will be evaluated based on an evaluation matrix as defined.

4.1 Hours of Work

- 4.1.1** All work required in the performance of the contract shall be performed during regular working hours (8:00 a.m. to 4:30 p.m.) of regular working days of the trade (Monday through Friday). Work to be performed in residential housing shall be performed between the hours of 10 a.m. to 4:30 p.m. Work shall not be performed on legal holidays as proclaimed by the Tennessee Board of Regents.
- 4.1.2** The contractor's employee shall report into and out at the Telecommunications office in the Browning building during normal work hours (8:00 AM – 4:30 PM, M-F). All work associated with this quotation must be scheduled through APSU Telephone Services office.
- 4.1.3** All services, except those specifically noted, must be performed within five (5) working days of the request. The line items labeled (2 WD) must be completed within two (2) working days of the request. The request will be made by email from APSU Telephone Services to an email address supplied by the winning bidder and must be acknowledged within 24 hours of receipt.
- 4.1.4** The winning bidder will be supplied with keys that can be checked out at the Physical Plant in Shasteen for the period when the contractor is on campus. The keys must be returned at the end of every work day and may never leave campus.

4.2 Terms and Conditions

- 4.2.1** Austin Peay's terms and conditions apply to this bid and can be found at www.apsu.edu/purchasing under terms and conditions.
- 4.2.2** The contractor is responsible for compliance with all state, city, and local code requirements.
- 4.2.3** The contractor is required to have a current license by law and shall pull a permit, (if required), for any new work requested
- 4.2.4** For most buildings on campus, all voice and data products must be Systimax products to match the existing building wiring. Substitutions are not allowed. Systimax building cable is blue, Cat 5e jacks are orange, Cat 6 jacks are red. Systimax voice cable is white (or gray). Voice jacks are white or gray. There will be very few instances where voice cables will ever be installed. Recently renovated or constructed buildings use Black Box brand cable and jacks. In these instances, Black Box products will be used for additions. Black box brand cable is gray and Black Box brand jacks are red.
 - 4.2.4.1** RG-6 coaxial cable and connectors may be any well-known, high-quality brand. Fiber Optic cable and connectors must be a well-known, high-quality brand and must be approved before installation by the telecommunications manager.
 - 4.2.4.2** APSU will compile a list of buildings that require plenum cable. All other buildings will use non-plenum (PVC) cable. Plenum cable may be substituted in non-plenum buildings at the price of non-plenum cable.
 - 4.2.4.3** APSU will compile a list of buildings that use Black Box brand products and will provide that list to the winning bidder. Black Box products can be purchased online at www.blackbox.com.

APSU will provide and install patch panels when necessary.

4.3 Agreement

- 4.3.1 The form of the contract shall be a standard University purchase order referencing this specification and request for quotation.
- 4.3.2 The contractor, being an independent contractor and not an employee of the University, agrees to protect and hold harmless the University from any and all liability arising out of all aspects of performance of this contract.
- 4.3.3 Entering into this agreement, APSU does not agree or imply that there will be any specific amount of work requested.
- 4.3.4 APSU reserves the right to occasionally purchase same or similar service and repair from other companies.
- 4.3.5 All work must be performed by direct employees of the contractor. The contractor will adhere to all federal, state, and local codes, standards and safety requirements while working on campus
- 4.3.6 This agreement may be terminated by either party by providing 30 day written notice.

4.4 Cost Labor and Materials

- 4.4.1 The University reserves the right to receive proof of contractor's material cost, when desired, for auditing purposes.
- 4.4.2 The contractor shall consult with the Manager Telephone Services or his designee to purchase materials for major repair or installation.
- 4.4.3 All line-item pricing is "**installed, including all labor, materials, overhead and travel**". We realize some installations will require j-hooks, soft wall penetrations, and sleeve installation, along with other obstacles. All Panduit, EMT and boxes must be secured by screws. Please price your line items accordingly. There will be no additional fees allowed for extra labor, project manager, travel, etc.
 - 4.4.3.1 In all cases, APSU will only be liable for the services requested. In the case where the end customer requests additional services, those services will only be paid for if approved in advance.
 - 4.4.3.2 The labor line included in this line-item pricing will only be used if APSU specifically requests a job to be done on a labor basis. An example would be installing a video cable provided by APSU.
 - 4.4.3.3 In certain buildings stainless steel faceplate covers are standard; while in other buildings ivory plastic face plate covers are used. Please price your copper line items to include stainless faceplates where appropriate.
- 4.4.4 The contractor shall provide:
 - A skilled employee equipped with tools of the trade and materials.
- 4.4.5 To determine the low bid for purposes of awarding the purchase order, the attached spreadsheet will be used.

AUSTIN PEAY STATE UNIVERSITY
RFQ 12-059
Telecommunication Cable Installation, Repair and Services

Category	Description	Unit of Measure	Number of Units for Evaluation	Unit Price	TOTAL Price
Copper	Single voice or data drop, one cat 5e cable, flush mounted with jack and face plate Terminated on patch panel or punch-down block. Maximum length 90 meters.	EA	5		
Copper	Dual drop, any combination of voice and data, two cat 5e cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters.	EA	3		
Copper	Triple drop, any combination of voice and data, three cat 5e cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters.	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 5e cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 5e cable, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	4		
Copper	Dual drop, any combination of voice and data, two cat 5e cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters.	EA	2		
Copper	Triple drop, any combination of voice and data, three cat 5e cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters.	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 5e cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 6 cable, flush mounted with jack and face plate Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	5		
Copper	Dual drop, any combination of voice and data, two cat 6 cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down	EA	3		

	block. Maximum length 90 meters				
Copper	Triple drop, any combination of voice and data, three cat 6 cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 6 cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 6 cable, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	3		
Copper	Dual drop, any combination of voice and data, two cat 6 cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	2		
Copper	Triple drop, any combination of voice and data, three cat 6 cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	2		
Copper	Quad drop, any combination of voice and data, four cat 6 cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	2		
Copper	Single voice or data drop, one cat 5e plenum cable, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	4		
Copper	Dual drop, any combination of voice and data, two cat 5e plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	2		
Copper	Triple drop, any combination of voice and data, three cat 5e plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 5e plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 5e plenum cable, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
Copper	Dual drop, any combination of voice and data, two cat 5e plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down	EA	1		

	block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters				
Copper	Triple drop, any combination of voice and data, three cat 5e plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 5e plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 6 plenum cable, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	3		
Copper	Dual drop, any combination of voice and data, two cat 6 plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	3		
Copper	Triple drop, any combination of voice and data, three cat 6 plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 6 plenum cables, flush mounted with jack and face plate. Terminated on patch panel or punch-down block. Maximum length 90 meters	EA	1		
Copper	Single voice or data drop, one cat 6 plenum cable, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	3		
Copper	Dual drop, any combination of voice and data, two cat 6 plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	2		
Copper	Triple drop, any combination of voice and data, three cat 6 plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
Copper	Quad drop, any combination of voice and data, four cat 6 plenum cables, non-flush with jack and face plate. Terminated on patch panel or punch-down block. May include up to 25' of Panduit or EMT conduit or installation in modular furniture. Maximum length 90 meters	EA	1		
TV	Single RG-6 drop, flush mount, with jack, faceplate and splitter if required	EA	5		

TV	Single RG-6 drop, flush mount, plenum, with jack, faceplate and splitter if required	EA	1		
TV	Single RG-6 drop, non-flush with jack and face plate. May include up to 25' of Panduit or EMT conduit or installation in modular furniture, with jack, faceplate and splitter if required	EA	3		
TV	Single RG-6 drop, plenum, non-flush with jack and face plate. May include up to 25' of panduit or EMT conduit or installation in modular furniture, with jack, faceplate and splitter if required	EA	1		
ITEMS BELOW THIS LINE MUST BE SPECIFICALLY ORDERED AND CONFIRMED IN WRITING BEFORE THEY CAN BE ADDED TO ANY INVOICE					
Rack	7'x19" floor mounted rack (CPI), installed, attached to floor and wall	EA	1		
Rack	1u cable manager, installed	EA	4		
Rack	side-mount cable management for 7' rack, installed	EA	2		
Rack	wall-mount rack, 3', installed	EA	1		
Conduit	plastic surface-mount conduit small, installed, with all connectors and adapters	FT	25		
Conduit	plastic surface-mount conduit medium, installed with all connectors and adapters	FT	25		
Conduit	plastic surface-mount conduit large, installed with all connectors and adapters	FT	25		
Conduit	plastic surface-mount conduit really large, installed with all connectors and adapters	FT	25		
Conduit	EMT, 1/2", installed	FT	50		
Conduit	EMT, 1/2" connector, installed	EA	5		
Conduit	EMT, 3/4", installed	FT	50		
Conduit	EMT, 3/4" connector, installed	EA	5		
Conduit	EMT, 1", installed	FT	50		
Conduit	EMT, 1" connector, installed	EA	5		
Labor	labor, regular business hours, M-F 8-4:30	HR	50		
Labor	labor, other than regular business hours	HR	25		
Penetration	Penetration with sleeve, 2 or 4", concrete or block	EA	2		