



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

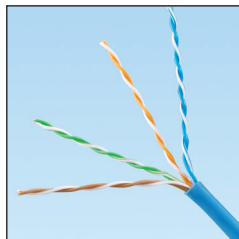
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TX6™ Category 6 U/UTP Copper Cable

specifications

Category 6 cable shall meet ANSI/TIA-568-C.2 Category 6 component standard. The conductors shall be 23 AWG construction with FEP/polyolefin (CMP) or polyolefin (CMR) insulation. The copper conductors shall be twisted in pairs and covered by a low smoke, flame-retardant (CMP) PVC jacket or a flame-retardant (CMR) PVC jacket.



technical information

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|--------------------------------|--|
| Electrical performance: | Certified channel performance in a 4-connector configuration up to 100 meters and meets ANSI/TIA-568-C.2 Category 6 standard at swept frequencies up to 250MHz Certified component performance up to 100 meters and meets the component requirements of ANSI/TIA-568-C.2 Category 6 component standard at swept frequencies up to 250 MHz |
| Conductors/insulators: | Plenum – 23 AWG solid copper covered by FEP/polyolefin insulation Riser – 23 AWG solid copper covered by polyolefin insulation |
| Flame rating: | Plenum – NFPA 262 Riser – UL1666 |
| PoE compliance: | Meets IEEE 802.3af and IEEE 802.3at for PoE applications |
| Installation tension: | 25 lbf (110N) maximum |
| Temperature rating: | 32°F to 122°F (0°C to 50°C) during installation -4°F to 167°F (-20°C to 75°C) during operation (Riser) -4°F to 167°F (-20°C to 75°C) during operation (Plenum) |
| Cable jacket: | Plenum – low smoke, flame-retardant PVC Riser – flame-retardant PVC |
| Cable diameter: | Plenum – 0.224 in. (5.7mm) nominal Riser – 0.210 in. (5.3mm) nominal |
| Cable weight: | Plenum – 29 lbs./1000 ft. (13 kg/305m) Riser – 22 lbs./1000 ft. (10 kg/305m) |
| Packaging: | 1000 ft. (305m) in an easy payout carton Package tested to ISTA Procedure1A |

key features and benefits

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|---|---|
| Third party tested | Cable has been tested as part of the Category 6 UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ANSI/TIA-568-C.2 Category 6 |
| Descending length cable markings | Easy identification of remaining cable reduces installation time and cable scrap |
| Tested beyond the standards | Cable has been characterized to 350 MHz, 100 MHz above the standard |
| Easy payout carton | Ensures proper performance and provides quick installation |

applications

Interoperable and backward compatible, the Panduit TX6™ Cabling System provides design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16

www.panduit.com

Category 6 U/UTP Copper Cable

| | |
|----------------|------------|
| Plenum: | PUP6C04*-U |
| Riser: | PUR6C04*-U |

Cable Prep Tools

| | |
|-----------------------------|-------|
| Wire snipping tool: | CWST |
| Wire stripping tool: | CJAST |

*For standard cable colors, add suffix BU (Blue), WH (White), RD (Red), OR (Orange), YL (Yellow), GR (Green), VL (Violet), IG (International Gray), or BL (Black). Cable available in a standard pallet configuration of 36 cartons per pallet.

For other colors or pallet configurations, contact customer service.

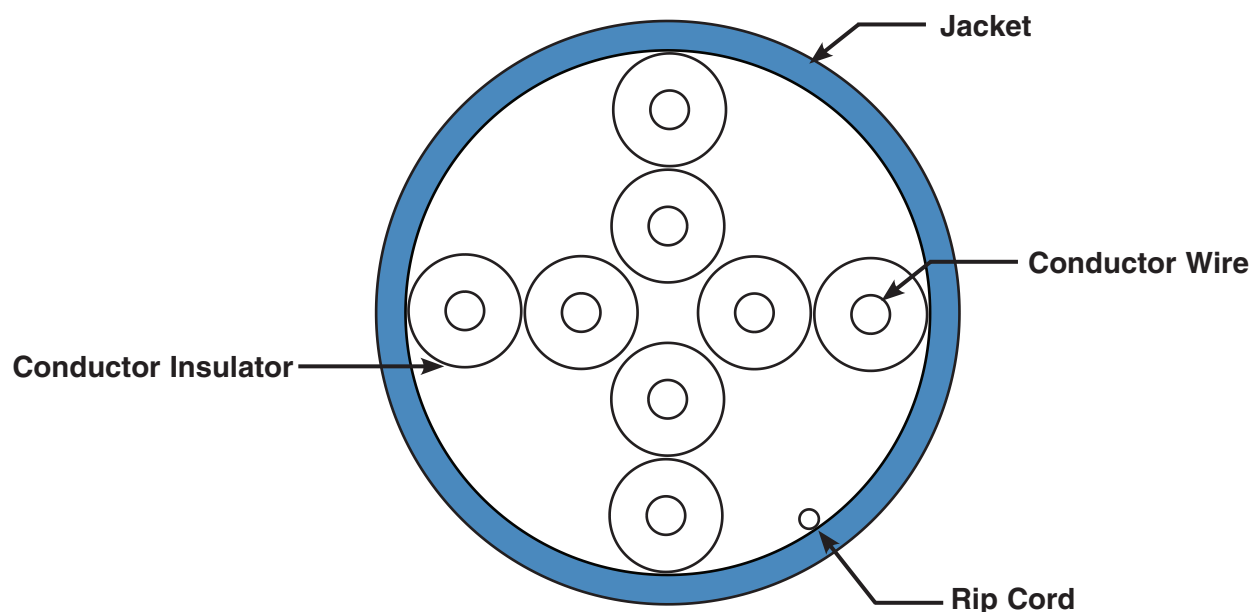
Visit www.panduit.com for connectivity components.

TX6™ Category 6 U/UTP Copper Cable

additional specifications

| Mechanical Test | |
|--|------------------------|
| <i>Ultimate Breaking Strength</i> | >90 lbf (400N) |
| <i>Minumum Bend Radius</i> | 4 x cable diameter |
| Electrical Test | |
| <i>Nominal Velocity of Propagation (NVP)</i> | CMP – 72% CMR – 69% |
| <i>Operating Voltage, Maximum</i> | 80V |

cable construction



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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