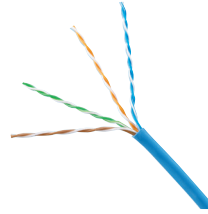


TX6™ Category 6 U/UTP Copper Cable

specifications

Category 6 cable shall meet ANSI/TIA-568.2-D Category 6 component standard. The conductors shall be 24 AWG construction with FEP/polyolefin insulation. The copper conductors shall be twisted in pairs and covered by a low smoke, flame-retardant (CMP) PVC jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and meets ANSI/TIA-568.2-D Category 6 standard at swept frequencies up to 250 MHz Certified component performance up to 100 meters and meets the component requirements of ANSI/TIA-568.2-D Category 6 component standard at swept frequencies up to 250 MHz
Conductors/insulators:	Plenum – 23 AWG solid copper covered by FEP/polyolefin insulation Plenum – 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 (110 N) maximum
Installation diameter:	0.034 - 0.046 in. (0.86 -1.16mm)
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

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-568.2-D 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-568.2-D 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

Category 6 U/UTP Copper Cable

Plenum: PUP6C04*-U

Riser: PUR6C04*-U

Cable Prep Tools

Wire snipping tool: CWST

Wire stripping tool: CJUST

*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 car-tons per pallet.

For other colors or pallet configurations, contact customer service.

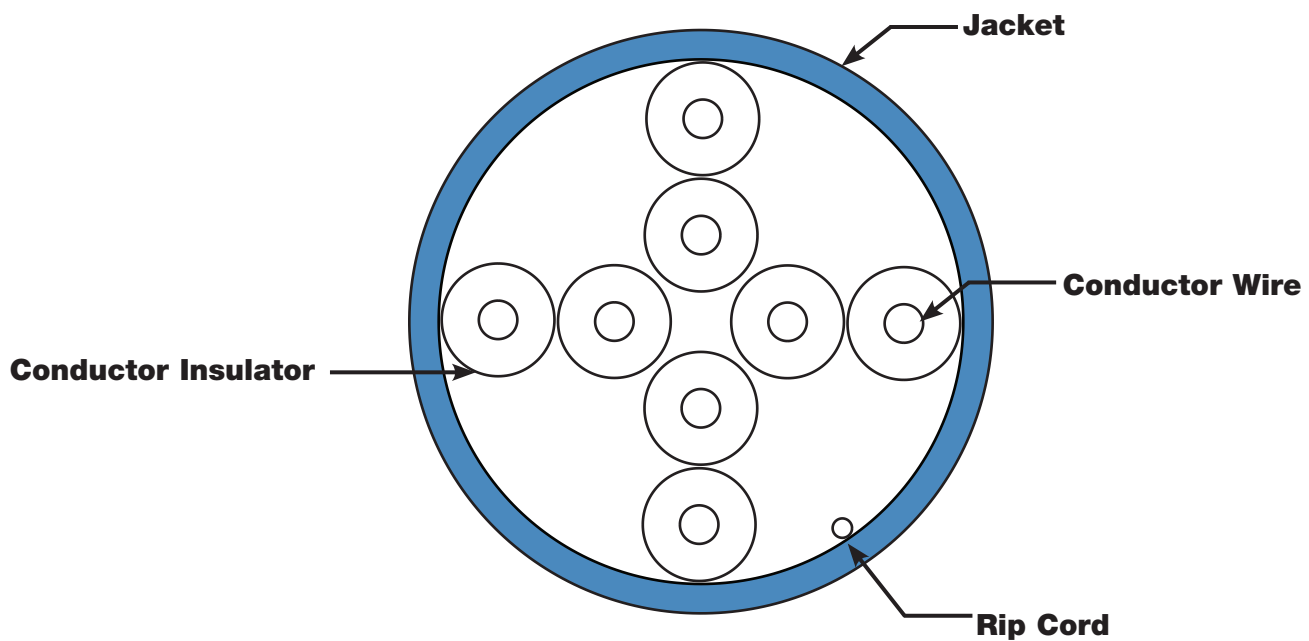
Visit www.panduit.com for connectivity components.

TX6™ Category 6 U/UTP Copper Cable

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>90 lbf (400 N)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	CMP – 72%
Operating Voltage, Maximum	80 V

cable construction



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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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