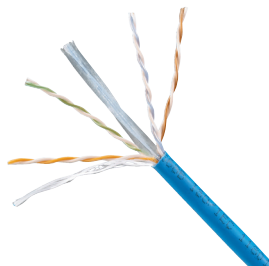


TX6000™ Enhanced Category 6 UTP Copper Cable

specifications

Category 6 cable shall exceed ANSI/TIA-568.2-D and IEC 61156-5 Category 6 component standards. The conductors shall be 23 AWG construction with FEP/polyolefin (CMP) insulation. The copper conductors shall be twisted in pairs, separated by a cross-divider and covered by a low smoke, flame-retardant (CMP) jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards at swept frequencies up to 250 MHz Certified component performance up to 100 meters and exceeds the component requirements of ANSI/TIA-568.2-D and IEC 61156-5 Category 6 component standards at swept frequencies up to 250 MHz
Conductor/Insulator:	23 AWG bare copper wire covered by FEP/polyolefin insulation
Flame rating:	NFPA 262 and CSA FT-6
PoE compliance:	Meets IEEE 802.3af and IEEE 802.3at for PoE applications
Installation tension:	25 lbf (110 N) maximum
Standards compliance:	UL Listed CMP-LP (0.5A)
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
Cable jacket:	Low smoke, flame-retardant PVC
Cable diameter:	Plenum – 0.225 in. (5.7mm) nominal
Cable weight:	Plenum – 30 lbs./1000 ft. (13.6 kg/305m)
Packaging:	1000 ft. (305m), in EZ-Brake™ reel-in-a-box Package tested to ISTA Procedure 1A

key features and benefits

Third party tested	Cable has been tested as part of the TX6000™ 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
Guaranteed channel performance above the standards	Industry leading guaranteed channel performance above the TIA/ISO standards with headroom warranty
Integrated pair divider	Separates pairs for exceptional cable performance
EZ-Brake™ reel-in-a-box packaging	Ensures proper performance and provides quick installation
Tested beyond the standards	Cable has been characterized to 550 MHz, 300 MHz above the standard
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap

applications

TX6000™ U/UTP Copper Cable is a component of the Panduit® TX6000™ Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future. With certified performance to the ISO 11801 Class E and ANSI/TIA-568.2-D Category 6 standards, this system is ideal for today's high performance workstation applications.

Usage of the TX6000™ Copper Cabling System includes:

- 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

TX6000™ UTP Copper Cabling System

TX6000™ UTP Copper Cable

Plenum: PUP6004*-ULP

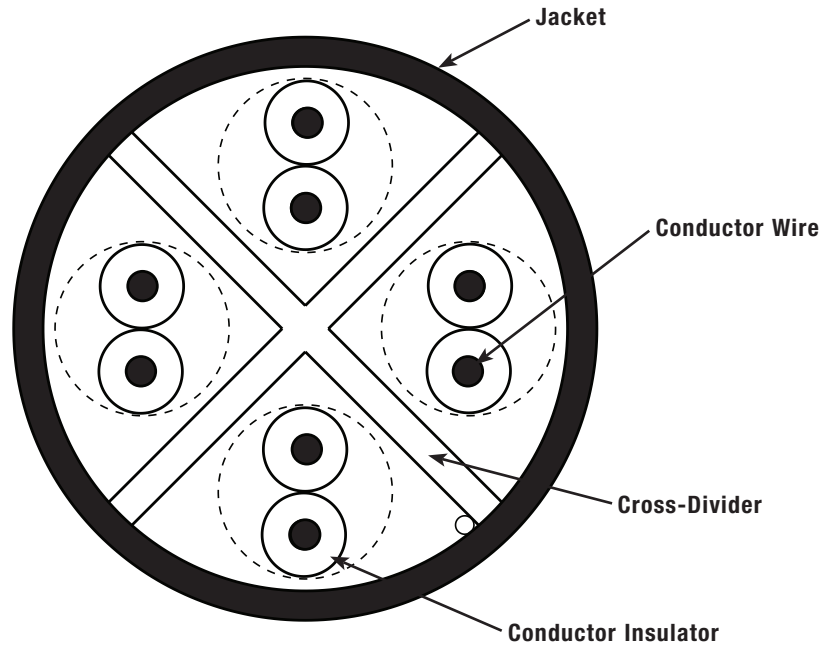
**To designate a color, add suffix BU (Blue), WH (White), YL (Yellow), or IG (International Gray). For additional cable colors, contact customer service.

TX6000™ Enhanced Category 6 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)	CMR – 70%, CMP – 72%
Operating Voltage, Maximum	80 V

cable construction



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