

TX6000™ Category 6 Shielded Copper Cable – F/UTP

specifications

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



TX6000™ Shielded Copper Cabling System

TX6000™ Shielded Copper Cable

CMP:	PFP6C04**-UG
CMR:	PFR6C04**-UG

**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).

Visit www.panduit.com for connectivity components.

technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 Class E and ANSI/TIA-568.2-D Category 6 standards at swept frequencies up to 250 MHz Certified component performance up to 100 meters and exceeds the component requirement of IEC 61156-5 and ANSI/TIA-568.2-D Category 6 component standards at swept frequencies up to 250 MHz
Conductors/insulators:	Plenum – 23 AWG bare copper wire covered by FEP insulation Riser – 23 AWG bare copper wire covered by polyolefin insulation
Insulation diameter:	Plenum – 0.037 – 0.047 in. (0.94 – 1.19mm) Riser – 0.040 – 0.050in. (1.02 – 1.27mm)
Flame rating:	Plenum – NFPA 262 and CSA FT-6 Riser – UL1666 and CSA FT-4
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	25 lbf (110N) maximum
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 60°C (-4°F to 140°F) during operation
Cable jacket:	Plenum – low smoke, flame-retardant PVC Riser – flame-retardant PVC
Cable diameter:	Plenum – 0.275 in. (6.9mm) nominal Riser – 0.280 in. (7.1mm) nominal
Cable weight:	Plenum – 39 lbs./1000 ft. (17.6 kg/305m) Riser – 36 lbs./1000 ft. (16.3 kg/305m)
Packaging:	1000 ft. (305m) on a reel Packaged tested to ISTA Procedure 1A

key features and benefits

Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
Overall foil	Provides superior structural integrity and reduces external interference to ensure exceptional cable performance at all swept frequencies
Third party tested	Cable has been tested as part of the TX6000™ Category 6 F/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of ISO 11801 Class E and ANSI/TIA-568.2-D Category 6 standards
Reel packaging	Ensures proper performance and provides quick installation

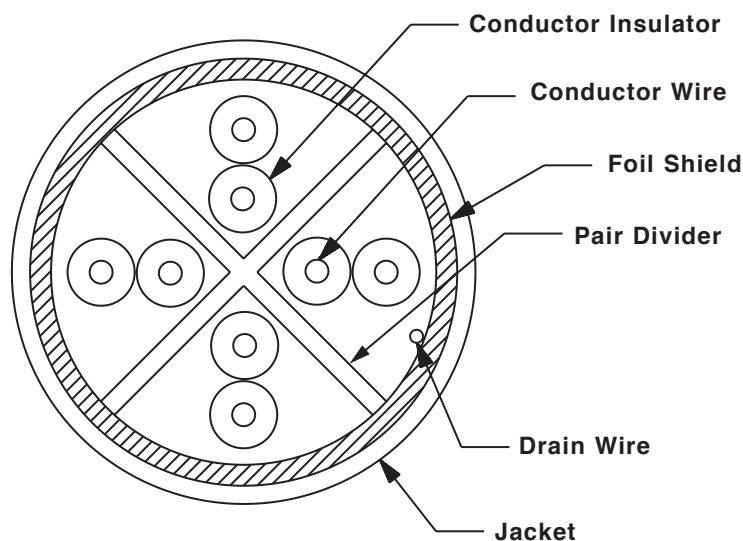
applications

TX6000™ Shielded Copper Cable is a component of the Panduit® TX6000™ Shielded Copper Cabling System. Interoperable and backwards 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 workstations and will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 1GBASE-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

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Mechanical Test	
<i>Ultimate Breaking Strength</i>	>90 lbf (400 N)
<i>Minimum Bend Radius</i>	4 x cable diameter
Electrical Test	
<i>Nominal Velocity of Propagation (NVP)</i>	CMR – 68% CMP – 71% nominal



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

For more information

Visit us at www.panduit.com

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