

# TX6™ F/UTP Shielded Copper Cable

North America (NA)

**PANDUIT**<sup>®</sup>  
SPECIFICATION SHEET

## SPECIFICATIONS

Category 6 cable shall exceed the ANSI/TIA-568.2-D Category 6 component standard. The conductors shall be 23 AWG construction with HDPE 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 flame-retardant (CMR) PVC jacket.



## TX6 F/UTP Shielded Copper Cable

**CMR:** PFR6C04\*\*-UGZ

\*\*Colors: BU (Blue), WH (White), RD (Red), OR (Orange), YL (Yellow), GR (Green), VL (Violet), IG (International Gray), or BL (Black)

## TECHNICAL INFORMATION

<b>Electrical performance:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the ANSI/TIA-568.2-D Category 6 standard at swept frequencies up to 250 MHz Certified component performance up to 100 meters and exceeds the component requirement of the ANSI/TIA-568.2-D Category 6 component standard at swept frequencies up to 250 MHz
<b>Conductors/insulators:</b>	23 AWG bare copper wire covered by HDPE insulation
<b>Insulation diameter:</b>	0.041 in. – 0.044 in. (1.03mm – 1.12mm)
<b>Flame rating:</b>	UL1666 and CSA FT-4
<b>Installation tension:</b>	110 N (25 lbf.) maximum
<b>PoE Compliance</b>	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
<b>Temperature rating:</b>	32°F to 122°F (0°C to 50°C) during installation -4°F to 167°F (-20°C to 75°C) during operation
<b>Cable jacket:</b>	Flame-retardant PVC
<b>Cable diameter:</b>	0.288 in. (7.3mm) nominal
<b>Cable weight:</b>	35 lbs./1000 ft. (16 kg/305m)
<b>Packaging:</b>	1000 ft. (305m) on a reel Packaged tested to ISTA Procedure 1A

## KEY FEATURES AND BENEFITS

<b>Descending length cable markings:</b>	Easy identification of remaining cable reduces installation time and cable scrap
<b>Overall foil:</b>	Provides superior structural integrity and reduces external interference to ensure exceptional cable performance at all swept frequencies
<b>Third party tested:</b>	Cable has been tested as part of the TX6 Category 6 F/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the ANSI/TIA-568.2-D Category 6 standard
<b>Reel packaging:</b>	Ensures proper performance and provides quick installation

## APPLICATIONS

TX6 Shielded Copper Cable is a component of the TX6 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 ANSI/TIA-568.2-D Category 6 standard, 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)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16



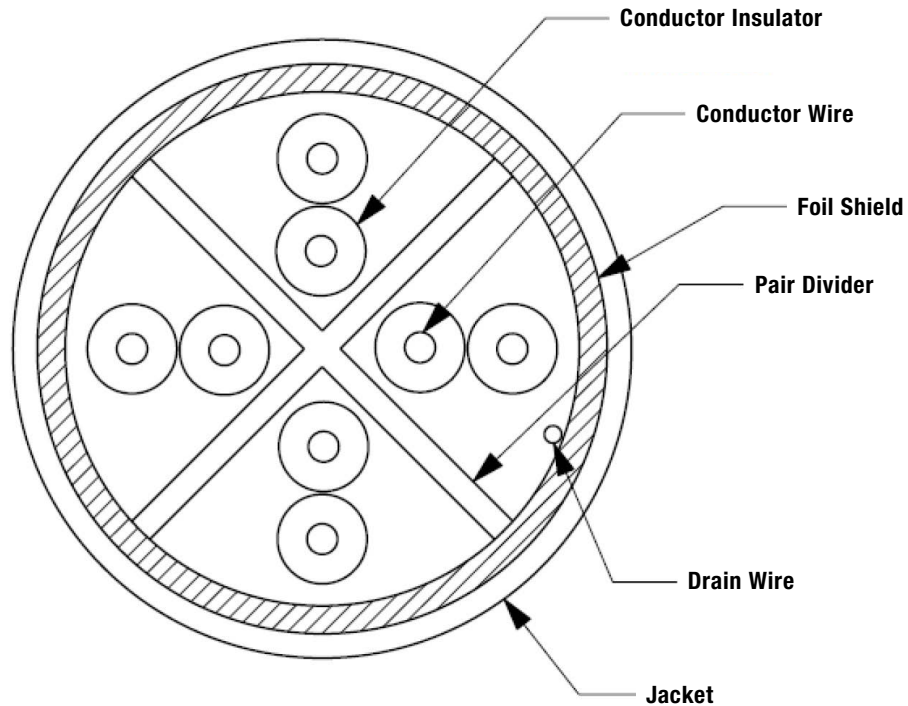
All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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## ADDITIONAL SPECIFICATIONS

Mechanical Test	
Ultimate breaking strength:	> 400 N (90 lbf)
Minimum bend radius:	8 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP):	69% nominal
Operating Voltage, Maximum:	80 V

## ENGINEERING DRAWINGS



All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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