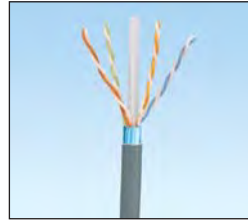


# TX6000™ Category 6 Shielded Copper Cable – F/UTP

## specifications

Category 6 cable shall far exceed IEC 61156-5 and ANSI/TIA-568-C.2 Category 6 component standards. 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 CM jacket.



## technical information

<b>Electrical performance:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 Class E and ANSI/TIA-568-C.2 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-C.2 Category 6 component standards at swept frequencies up to 250 MHz
<b>Conductors/insulators:</b>	23 AWG solid copper insulated with HDPE
<b>Flame rating:</b>	UL 1685
<b>PoE compliance:</b>	Meets IEEE 802.3af and IEEE 802.3at for PoE applications
<b>Installation tension:</b>	110 N (25 lbf) maximum
<b>Temperature rating:</b>	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
<b>Cable jacket:</b>	PVC
<b>Cable diameter:</b>	7.5mm (0.296 in.) nominal
<b>Cable weight:</b>	15 kg/305m (32 lbs./1000 ft.)
<b>Packaging:</b>	305m (1000 ft.) on a reel Package 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 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-C.2 Category 6 standards
<b>Reel packaging</b>	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-C.2 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), 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

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# PANDUIT®

SPECIFICATION SHEET

**TX6000™ Shielded Copper Cabling System**

**TX6000™ Shielded Copper Cable**

**CM:** PFC6004BU-G

**Mini-Com® TX6™ PLUS Shielded Jack Module**

**Jack module:** CJS688TGY

**TX6™ PLUS Shielded Patch Cords**

**Meters:** STP6X\*MIG

**DP6™ PLUS Angled Punchdown Patch Panels**

**24-port, 1 RU:** DPA24688TGY

**48-port, 2 RU:** DPA48688TGY

**DP6™ PLUS Flat Punchdown Patch Panels**

**12-port, 1 RU:** DP12688TGY

**24-port, 1 RU:** DP24688TGY

**48-port, 2 RU:** DP48688TGY

**Cable Prep Tools**

**Wire**

**snipping tool:** CWST

**Wire**

**stripping tool:** CCAST

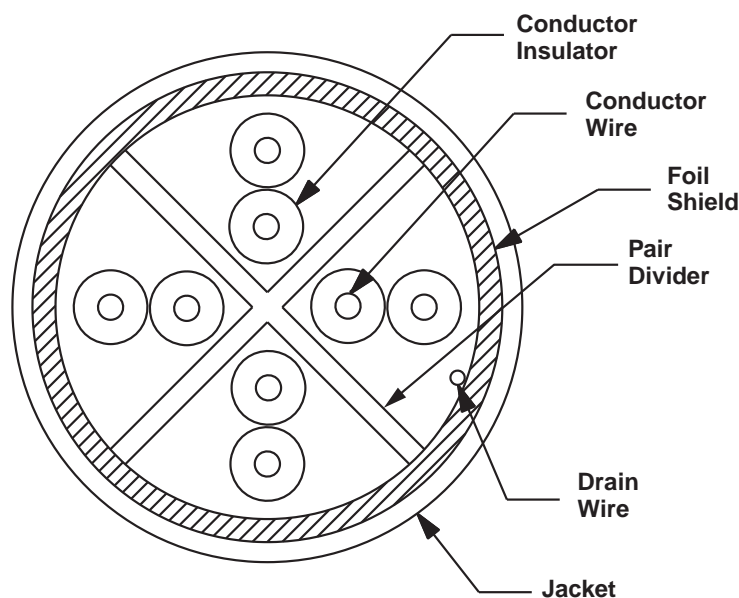
\*For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20 meters, change the length designation in the part number to desired length. For standard cable colors other than IG (International Gray), substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) in the part number. For example, the part number for a blue, 5-meter patch cord is STP6X5MBU.

# TX6000™ Category 6 Shielded Copper Cable – F/UTP

## additional specifications

Mechanical Test	
<i>Ultimate Breaking Strength</i>	>400 N (90 lbf)
<i>Minimum Bend Radius</i>	8x cable diameter
Electrical Test	
<i>Nominal Velocity of Propagation (NVP)</i>	67%

## cable construction



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