

TX6™ Category 6 Shielded S/FTP Copper Cable - Europe

specifications

Category 6 cable shall meet the IEC 61156-5 Category 6 and ANSI/TIA-568-C.2 Category 6 component standards. The conductors shall be 23 AWG insulated with foamed polyethylene. The copper conductors shall be twisted in pairs each surrounded by a foil, covered with an overall braided shield within a LSFRZH jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards for swept frequencies up to 250 MHz Certified component performance up to 100 meters and exceeds the component requirements of the IEC 61156-5 and ANSI/TIA-568-C.2 Category 6 standards at swept frequencies up to 250MHz
Conductors/insulators:	23 AWG solid copper insulated with foamed polyethylene
Insulation diameters:	1.25-1.35mm (0.049-0.053 in.)
Flame rating:	EN50575: Euroclass Cca-s1a-d1-a1
PoE compliance:	Meets IEEE 802.3af and IEEE 802.3at and 802.3bt for PoE applications
Installation tension:	110 N (25 lbf) maximum
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
Cable jacket:	LSFRZH
Cable diameter:	7.1mm (0.279 in.) nominal
Cable weight:	28 kg/500m (62 lbs./1640 ft.)
Packaging:	500m (1640ft) on a reel Packaged tested to ISTA Procedure 1A

key features and benefits

Integrated pair divider:	Separates pairs for exceptional cable performance
Individually foiled pairs with overall braided shield:	Foil prevents coupling near-end crosstalk between pairs while shield reduces low-frequency external interference to ensure exceptional cable performance at all swept frequencies up to 250MHz
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap
Bulk packaging:	Supplied 500m (1640 ft.) on a reel for ease of installation

applications

TX6™ Shielded Copper Cable is a component of the Panduit® TX6™ Shielded 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-C.2 Category 6 standards.

Usage of the TX6™ Shielded Copper Cabling System includes:

- Ethernet 10BASE-T
- 100BASE-T (Fast Ethernet)
- 1000BASE-T (Gigabit Ethernet)

TX6™ Shielded Copper Cabling System

TX6™ Shielded Copper Cable – S/FTP

LSFRZH: PSY6C04*-CED

TX6™ PLUS Shielded Jack Module

Jack module: CJS688TGY

TX6A™ 10Gig™ Shielded Patch Cords

Meters: STP6X**MIG
Feet: STP6X**IG

Mini-Com® Angled All Metal Shielded Modular Patch Panels

24-port, 1 RU: CPA24BLY
48-port, 2 RU: CPA48BLY
72-port, 2 RU: CPA72BLY

Mini-Com® Flat All Metal Shielded Modular Patch Panels

24-port, 1 RU: CP24BLY
48-port, 2 RU: CP48BLY
72-port, 2 RU: CP72BLY

Cable Prep Tools

Wire snipping tool: CWST
Wire stripping tool: CJUST

*To designate cable color, add suffix WH (White). For additional cable colors, contact customer service.

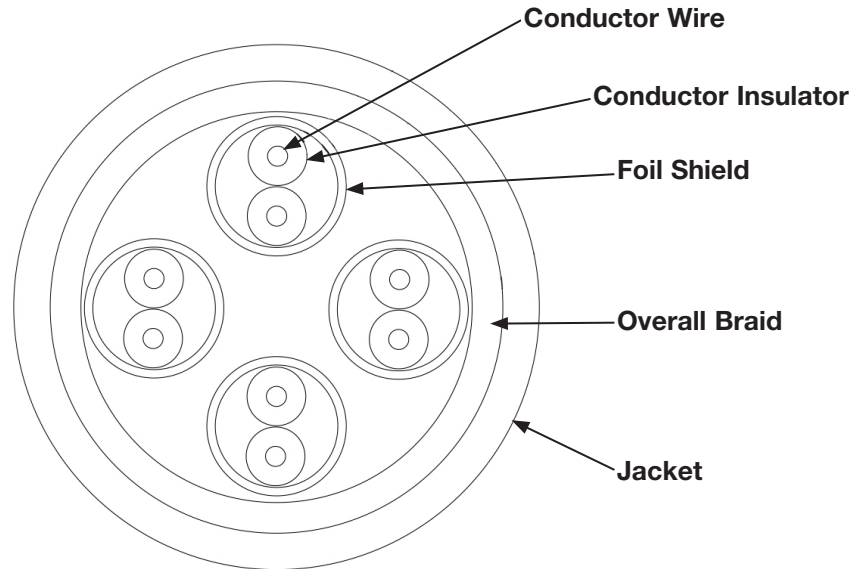
**For lengths 1 to 10 meters (increments of one meter) and 1.5, 2.5, 15, 20 meters, change the length designation in the part number to desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) to the end of the part number. For example, the part number for a blue, 15-meter patch cord is STP6X15MBU.

***For lengths 3 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, 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) to the end of the part number. For example, the part number for a blue, 15-foot patch cord is STP6X15BU.

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Mechanical Test	
Ultimate Breaking Strength	> 400N (90 lbf)
Minimum Bend Radius	8 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	74% nominal
Operating Voltage, Maximum	80V

cable construction



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7/2018