

TX6A™ Category 6A Shielded F/FTP Copper Cable – Europe

PANDUIT™

SPECIFICATION SHEET

specifications

Category 6A cable shall be constructed of 23 AWG copper conductors with SFS-PO insulation. The copper conductors shall be twisted in pairs, with each pair covered in foil. All four pairs shall be surrounded by an overall metallic foil 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 Ea and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the Panduit® TX6A™ Shielded Copper Cabling System Certified component performance up to 100 meters and exceeds the component requirement of the IEC 61156-5 and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
Insulation diameter:	1.27-1.30mm (0.050-0.051inch)
Flame rating:	EN 50575: Euroclass Cca-s1a-d1-a1
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and 802.3bt for PoE applications
Installation tension:	110 N (25 lbf)
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:	LSFRZH
Cable diameter:	7.3mm (0.287 in.) nominal
Cable weight:	27kg/500m (60 lbs./1640ft)
Packaging:	500m (1640 ft.) on a reel Packaged tested to ISTA Procedure 1A

key features and benefits

Foiled individual pairs:	Shielded pairs for exceptional cable performance
Overall foil shield:	Provides superior structural integrity and reduces low interference, including alien crosstalk to ensure exceptional cable performance at all swept frequencies up to 500 MHz
Internal drain wire:	Facilitates means of grounding the cable and provides for efficient performance and protection of network investment
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap
Bulk packaging:	500m (1640 ft.) supplied on a reel for ease of installation

applications

TX6A™ Shielded Copper Cable is a component of the Panduit® TX6A™ Shielded Copper Cabling System. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. The shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission. The Panduit solution helps ensure organizations

efficiently and reliably meet their data transmission needs. Usage of the TX6A™ Shielded Copper Cabling System include high bandwidth applications within data centers and connections to high-end workstations such as:

- 10GBASE-T Ethernet
- Data Center applications
- Virtual business management applications

TX6A™ Shielded Copper Cabling System – Europe

TX6A™ Shielded Copper Cable – F/FTP – Europe

LSFRZH: PFFY6X04*-HED

TX6A™ Shielded Jack Module

Jack module: CJS6X88TGY

TX6A™ 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: CP48BLY

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 stripping tool: CWST

Wire stripping tool: CCAST

*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.

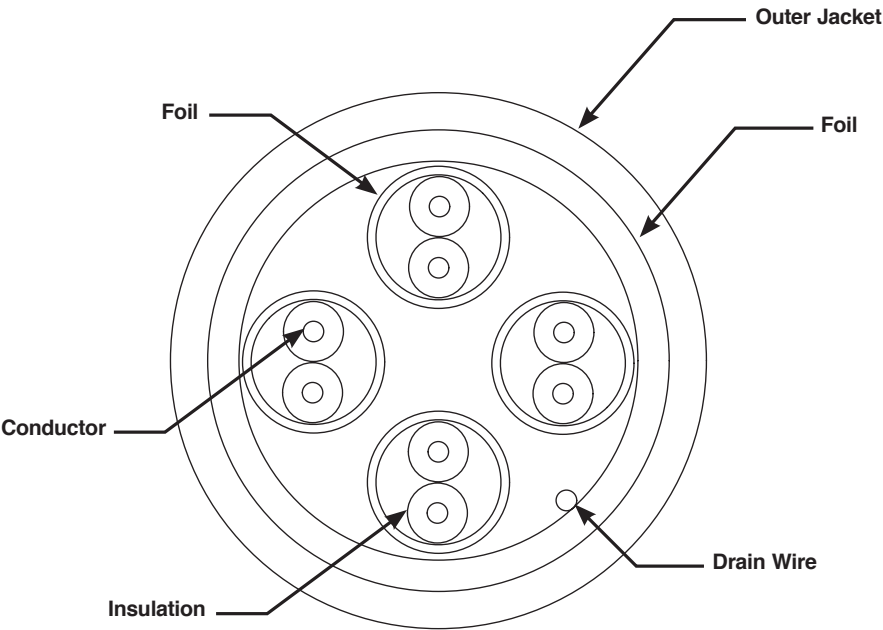
***For lengths 3 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), 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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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)	76% nominal
Operating Voltage, Maximum	80V

cable construction



Dimensions are in inches. [Dimensions in brackets are metric.]

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

For more information

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