

TX6A™ Category 6A Shielded F/FTP Copper Cable

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 LSZH jacket.



TX6A™ Category 6A Shielded F/FTP Copper Cable

LSZH: PFFL6X04**-HED

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

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-568.2-D Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the 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-568.2-D 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 - 0.051 in.)
Flame rating:	EN 50575: EuroClass Dca-s2,d2,a1
PoE Compliance:	Meets IEEE 802.3af, 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 0°C to 60°C (32°F to 140°F) during operation
Cable jacket:	LSZH
Cable diameter:	7.3mm (0.287 in.) nominal
Cable weight:	27kg/500m (60 lbs./1640 ft.)
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 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 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™ Category 6A Shielded F/FTP Copper Cable

ADDITIONAL SPECIFICATIONS

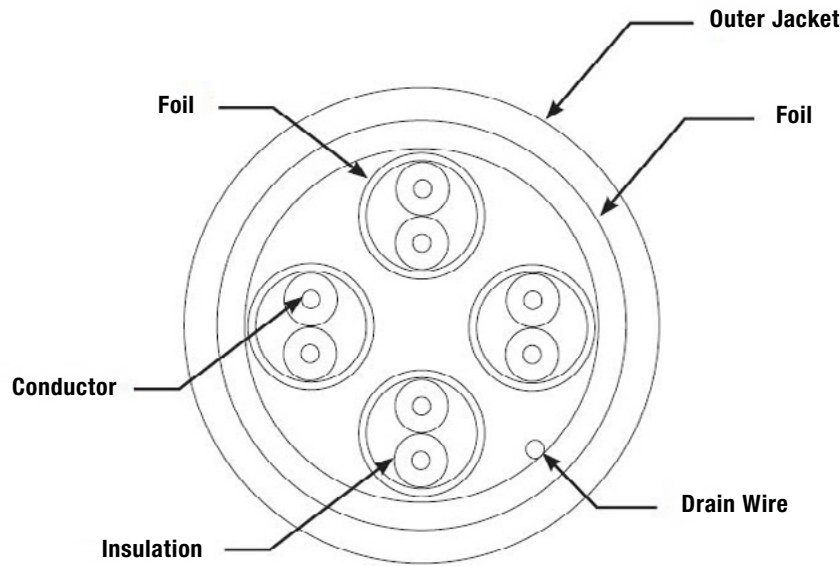
Mechanical Test

Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	8 x Cable Diameter

Engineering Test

Nominal Velocity of Propagation (NVP)	76% nominal
Operating Voltage, Maximum	80 V

ENGINEERING DRAWING



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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

PANDUIT™

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

©2024 Panduit Corp.
ALL RIGHTS RESERVED.
COSP602--WW-ENG
5/2024