

TX6A™ Category 6A Shielded S/FTP Copper Cable

PANDUIT®

PRODUCT INFO

specifications

Category 6A cable shall meet the IEC 61156-5 and ANSI/TIA-568-C.2 Category 6A component standards. The conductors shall be 23 AWG construction with SFS-PO insulation. The copper conductors shall be twisted in pairs with each pair covered in a foil shield and all pairs covered by an overall braided shield and a LSFRZH jacket.



technical information

Part number	PSY6X04**-HED (** designates jacket color, WH = white)
Electrical performance:	<p>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</p> <p>Certified component performance up to 100 meters and meets or exceeds the component requirements of the IEC 61156-5 and ANSI/TIA-568-C.2 Category 6A standards at swept frequencies up to 500 MHz</p>
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
CPR compliance:	EN 50575: Euroclass Cca-s1a-d1-a1
Installation tension:	110 N (25 lbf)
Temperature rating:	-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/305m (60 lbs./1640 ft.)
Packaging:	500m (1640 ft.) on reel

key features and benefits

Foiled Individual pairs:	Prevents the coupling near-end crosstalk and alien crosstalk between twisted pairs to ensure 10GBASE-T transmission performance
Overall foil shield:	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance at all swept frequencies up to 600 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
Easy payout reel:	500m (1640 ft.) supplied on a reel

applications

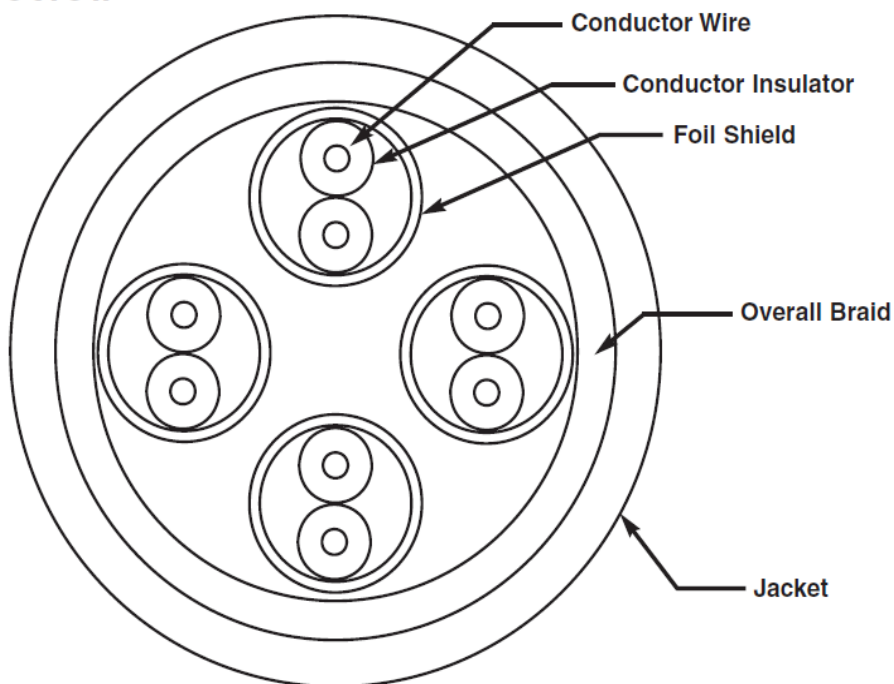
TX6A™ Shielded Copper Cable is a component of the Panduit® TX6A™ Shielded Copper Cabling System. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. The shielded cabling system provides high performance, excellent EMI suppression, 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™ Category 6A Shielded S/FTP Copper Cable

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

cable construction



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