

TX6A™ Shielded Category 6A Shielded S/FTP Copper Cable

SPECIFICATIONS

Category 6A cable shall meet the IEC 61156-5 and ANSI/TIA-568.2-E 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 shall be covered by an overall braided shield and a LSZH jacket.



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LSZH: PSL6X04**-HED

**Color: WH (White)

For additional cable colors, contact customer service

TECHNICAL INFORMATION

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100m and exceeds ISO 11801 Class E _A and ANSI/TIA-568.2-E Category 6A Standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A Copper Cabling System. Certified component performance up to 100m and exceeds the IEC 61156-5 and ANSI/TIA-568.2-E Category 6A Standards for supporting 10GBASE-T transmission over twisted-pair cabling.
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
Insulation diameter:	1.27mm – 1.30mm (0.50 in. - 0.51 in.)
Standards compliance:	ISO 11801 Class E _A , IEC 61156-5 Category 6A, ANSI/TIA-568.2-E Category 6A EN50575: Euroclass Dca-s2,d2,a1
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3 at, and IEEE 802.3bt for PoE applications
Installation tension:	25 lbf (110N) maximum
Temperature rating:	-20°C to 60°C (-4°F to 140°F) during operation 0°C to 50°C (32°F to 122°F) during installation
Cable jacket:	LSZH
Cable diameter:	7.2mm (0.283 in.) nominal
Cable weight:	26 kg/500m (58 lbs./1640 ft.)
Packaging:	500m (1640 ft.) reel Package tested to ISTA procedure 1A

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
Braided shield:	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap
Bulk packaging:	1640 ft. (500m) supplied on a reel

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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. This 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
- IEEE 802.3 PoE applications including Type 1, 2, 3 & 4 (POE, POE+, POE++)
- Broadband Video (HDBase-T PoH)

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:	80 V

ENGINEERING DRAWINGS

