

TX7000™ Category 7A Shielded S/FTP Copper Cable – Europe

specifications

Category 7A cable shall be constructed of 23 AWG copper conductors with SFS-PO insulation. The copper conductors shall be twisted in pairs, each surrounded by a foil. All four pairs shall be surrounded by an overall braid within a LSFRZH jacket. The TX7000™ Shielded Copper Cable must be installed as part of a complete TX6A™ Shielded Copper Cabling System to achieve 10GBASE-T certified performance.



TX6A™ Shielded Copper Cabling System

TX7000™ Shielded Copper Cable – S/FTP

LSFRZH: PSW7A04*-HED

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

technical information

Electrical performance:	Certified performance in a 4-connector channel up to 100 meters and exceeds the requirements of the ISO 11801 Class E _A and ANSI/TIA-568.2-D Category 6A, standards for supporting 10GBASE-T transmission over twisted-pair cabling systems when used as part of the Panduit® TX6A™ Shielded Copper Cabling System Certified component performance up to 100 meters and meets or exceeds the component requirement of the IEC 61156-5 Category 7A standard
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
Insulation diameter:	1.39 – 1.42mm (0.055 – 0.056 in.)
Flame rating:	EN 50575: EuroClass B2ca-s1a,d0,a1 Note that the d0 classification applies only to product manufactured on or after March 1, 2021. Product manufactured prior has the d1 classification.
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at, and IEEE 802.3bt for PoE applications
Installation tension:	100 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:	7.4mm (0.291 in.) nominal
Cable weight:	28.0 kg/500m (62 lbs./1640 ft.)
Packaging:	500m (1640 ft.) on a reel Packaged tested to ISTA procedure 1A

key features and benefits

Individually foiled pairs	Exceptional suppression of internal near end crosstalk and high frequency external alien crosstalk which ensures 10GBASE-T transmission performance and EMI protection
Overall braid	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
Tested beyond the standards	Cable has been characterized to 1200 MHz, 200 MHz above the standard
Bulk packaging	500m (1640 ft.) per reel

applications

TX7000™ Shielded Copper Cable is a component of the TX6A™ Shielded Copper Cabling System. This end-to-end system provides a cost effective media 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.

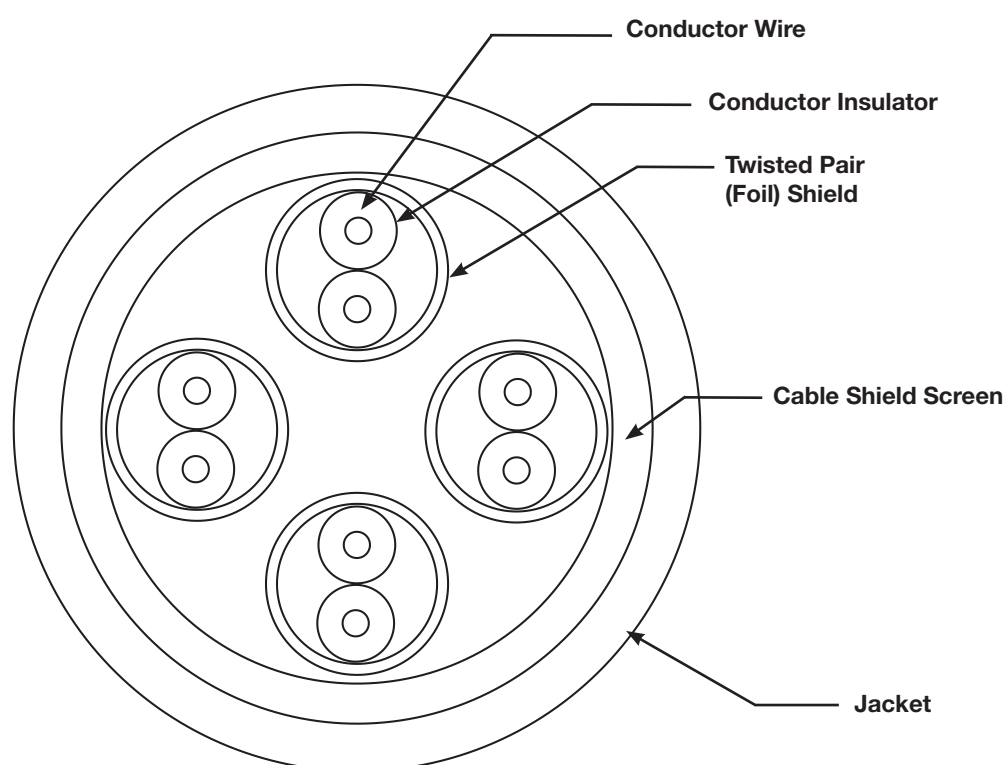
Usage of the TX6A™ Shielded Copper Cabling System include high bandwidth applications within data centers and connections to high-end workstations such as:

- Stacking switches and switch-to-switch links
- Storage area networks
- Aggregation of Gigabit Ethernet channels
- Real-time intensive financial transactions
- Animation
- Scientific modeling
- Medical imaging

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	76% nominal
Operating Voltage, Maximum	80 V

cable construction



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