

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

specifications

Category 7 cable shall meet the IEC 61156-5 Class F component standard. The conductors shall be 23 AWG construction with foamed skin PE insulation. The copper conductors shall be twisted in pairs each covered by a foil shield within an overall braided shield and a low smoke zero halogen (LSZH) jacket.



**TX6A™ Shielded Copper
Cabling System**

**TX7000™ Shielded Copper
Cable – S/FTP**

LSFRZH: PSW7004*-HED

technical information

Electrical performance:	Certified performance in a 4-conductor channel up to 100 meters and exceeds the requirements of the ANSI/TIA-568.2-D Category 6A, ISO 11801 Class EA, and IEEE 802.3an 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 7 standard
Conductors/insulators:	23 AWG solid copper with SFS-PO
Insulation diameter:	1.27 – 1.30mm (0.050 – 0.051 in.)
Flame rating:	EN 50575: EuroClass B2ca-s1a,d0,a1 Note that the d0 classification applies only to product manufactured on or after February 9, 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:	110N (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 kg/500m (62 lbs./1640 ft.)
Packaging:	500m (1640 ft.) on a reel Packaged tested to ISTA procedure 1A

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

key features and benefits

Individually foiled	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	500m (1640 ft.) to a 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. Businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive information throughout their enterprise. Usage of TX6A™ Shielded Copper Cabling System include:

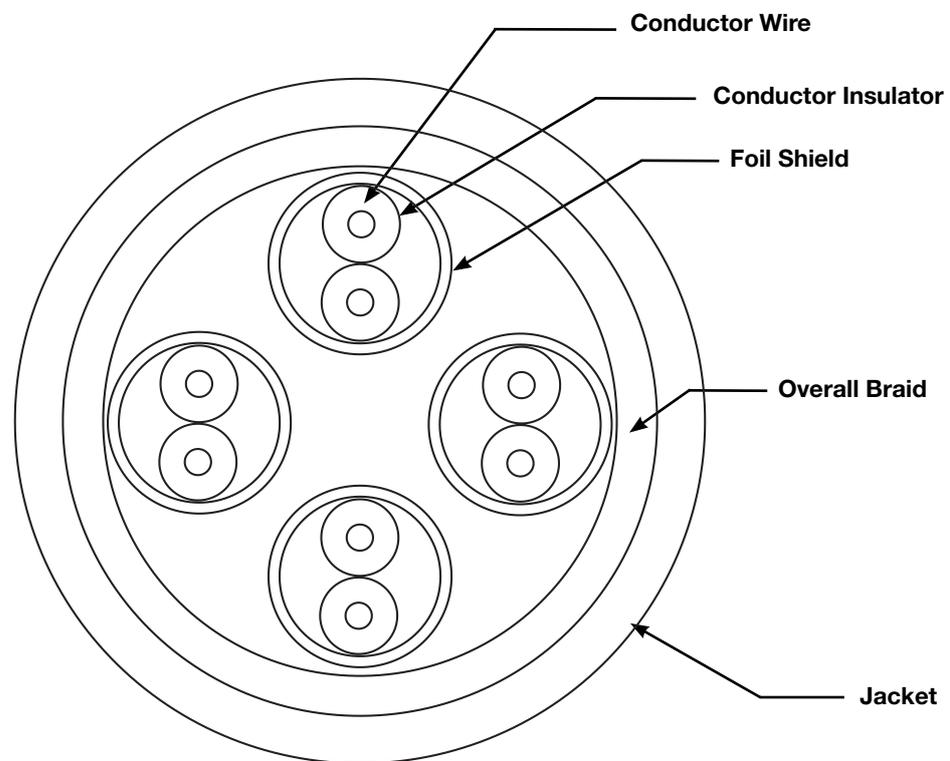
- Data center high bandwidth applications for switch-to-switch links, storage area networks aggregation of data
- 3-D modeling and work group file transfer
- Web-enabling applications, such as Voice over Internet Protocol (VoIP) and live video/audio broadcasting

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

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	8 x cable diameter
Electrical Test	
Operating Voltage, Maximum	80 V
Nominal Velocity of Propagation (NVP)	76% nominal

cable construction



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COSP518--WW-UKE
7/2022