

TX7000™ Category 7 S/FTP Indoor/Outdoor Copper Cable

Europe



SPECIFICATIONS

Category 7 cable shall meet the IEC 61156-5 component standard. The conductors shall be 23 AWG construction with SFS-PO insulation. The copper conductors shall be twisted in pairs with each pair having an individual foil shield, all pairs shall be surrounded by an overall braid and a flame-retardant LSZH white inner jacket for indoor use. An outer UV-resistant polyethylene (PE) black jacket with PET rip cord shall make the cable suitable for outdoor installations.

*Not suitable for direct burial applications. Cable jacket must remain unabraded to avoid water ingress. Water must not be allowed to ingress into the cable ends.

Category 7 S/FTP Copper Cable

LSZH: PSOW7004BL-HED

**Contact customer service for additional colors

TECHNICAL INFORMATION

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100m and exceeds the requirements of ISO 11801 Category 6A Standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A S/FTP Copper Cabling System Certified component performance up to 100m and meets or exceeds the component requirements of the IEC 61156-5 Category 7 standards at swept frequencies up to 600 MHz
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	110 N maximum
Insulation diameter:	1.27mm – 1.30mm (0.050 in. - 0.051 in.)
Cable jacket:	Inner jacket Euroclass B2ca-s1a, d1, a1 and outer jacket Euroclass Fca
Cable diameter:	Inner jacket (7.2mm) nominal and outer jacket (9.2mm) nominal
Cable weight:	45 kg/500m (99lb/1640 ft.)
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 60°C (-4°F to 140°F) during operation
Packaging:	500m (1640 ft.) on a reel Packaged tested to ISTA procedure 1A

KEY FEATURES AND BENEFITS

Wet location applications:	Intended for installations in below-grade conduit, duct and other wet environments. Refer to installation notes in specification section above
Dry core construction:	No use of gel fillers allowing for cleaner terminations
Robust jacket:	Ensures electrical performance during water submersion
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap
Easy payout reel:	500m supplied on a reel

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APPLICATIONS

Category 7 S/FTP Copper Cable is a component of the TX6A S/FTP 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 Panduit solution helps ensure organizations efficiently and reliably meet their data transmission needs. Usage of the TX6A Copper Cabling System include high bandwidth applications within data centers and enterprises such as:

- 10GBASE-T Ethernet

ADDITIONAL SPECIFICATIONS

Mechanical Test	
Ultimate breaking strength:	>400 N (90 lbf)
Minimum bend radius:	Dynamic 12x cable diameter Static 8x cable diameter
Electrical Test	
Nominal velocity of propagation (NVP):	79% nominal
Segregation class:	D
Operating voltage, maximum:	80 V

ENGINEERING DRAWING

