

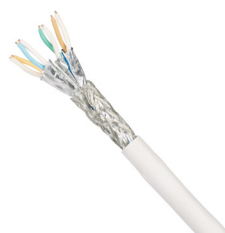
# TX7000™ Category 7 Shielded S/FTP Copper Cable

Latin America,  
Europe, Middle East,  
Africa, Asia Pacific

**PANDUIT**™  
SPECIFICATION SHEET

## 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.



## TX7000 Shielded Copper Cable – S/FTP

**LSZH:** PSL7004\*\*-HED

\*\*Color: WH (White). For additional cable colors, contact customer service.

## TECHNICAL INFORMATION

<b>Electrical performance:</b>	Certified performance in a 4-connector 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 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
<b>Cable diameter:</b>	7.2mm (0.283 in.) nominal
<b>Conductors/insulators:</b>	23 AWG solid copper with SFS-PO
<b>Insulation diameter:</b>	1.27mm – 1.30mm (0.050 in. – 0.051 in.)
<b>Flame rating:</b>	EN 50575: EuroClass Dca-s1a,d1,a1
<b>PoE compliance:</b>	Meets IEEE 802.3af, IEEE 802.3at, and IEEE 802.3bt for PoE applications
<b>Installation tension:</b>	110N (25 lbf) maximum
<b>Temperature rating:</b>	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
<b>Cable jacket:</b>	LSZH
<b>Cable weight:</b>	28 kg/500m (62 lbs./1640 ft.)
<b>Packaging:</b>	500m (1640ft.) on a reel Packaged tested to ISTA procedure 1A

## KEY FEATURES AND BENEFITS

<b>Individually foiled:</b>	Prevents the coupling near-end crosstalk and alien crosstalk between twisted pairs to ensure 10GBASE-T transmission performance
<b>Braided shield:</b>	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance
<b>Descending length cable markings:</b>	Easy identification of remaining cable reduces installation time and cable scrap
<b>Bulk packaging:</b>	500m (1640ft.) 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:

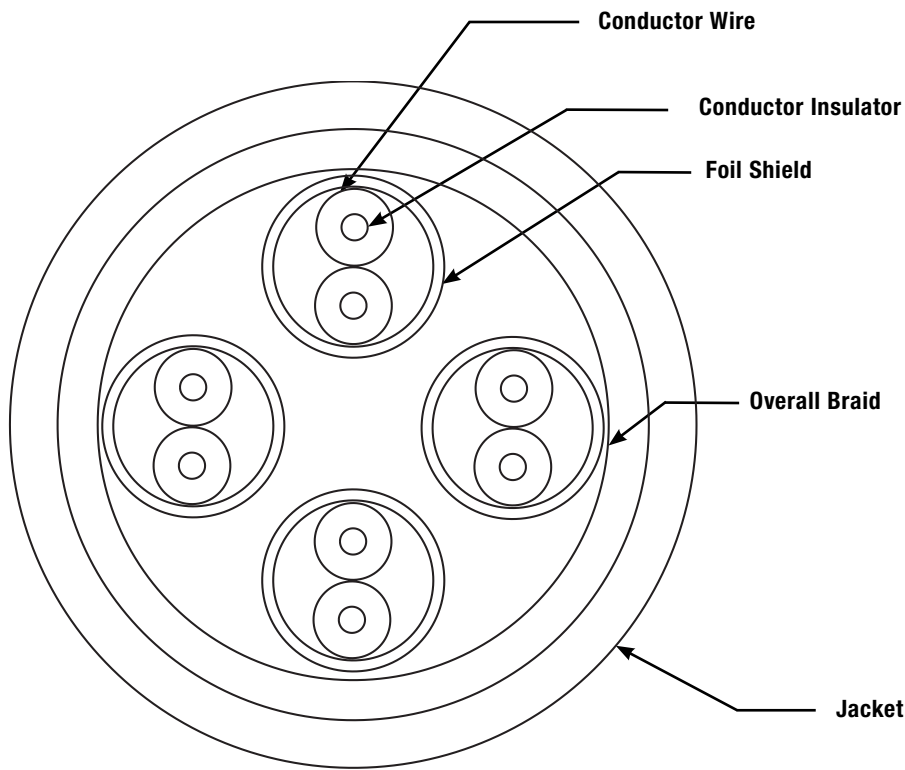
- Data center high bandwidth applications for switch-to-switch links, storage area networks aggregation of data
- 3D modeling and work group file transfer
- Web-enabling applications, such as Voice over Internet Protocol (VoIP) and live video/audio broadcasting

# TX7000™ Category 7 Shielded S/FTP Copper Cable

## ADDITIONAL SPECIFICATIONS

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

## ENGINEERING DRAWING



Dimensions are in inches. [Dimensions in brackets are metric].

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