

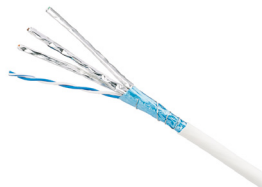
# TX6A™ Category 6A Shielded F/FTP Copper Cable

Europe

**PANDUIT™**  
SPECIFICATION SHEET

## specifications

Category 6A cable shall be constructed of 23 AWG copper conductors with polyethylene (PE) insulation. The copper conductors shall be twisted in pairs, with each pair covered in foil. All four pairs shall be surrounded by an overall metallic foil shield within a LSFRZH jacket.



### TX6A Shielded Copper Cable – F/FTP

**LSFRZH:** PFFW6X04\*\*-KED

\*\*To designate cable color, add suffix WH (White). For additional cable colors, contact customer service.

## technical information

<b>Electrical performance:</b>	Certified channel performance in a 4-connector configuration up to 100m and exceeds the requirements of ISO 11801 Class Ea for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A Shielded Copper Cabling System Certified component performance up to 100m and exceeds the component requirement of the IEC 61156-5 and for supporting 10GBASE-T transmission over twisted-pair cabling systems
<b>Conductors/insulators:</b>	23 AWG solid copper insulated with polyethylene (PE)
<b>Insulation diameter:</b>	1.32mm-1.36mm (0.052"-0.053")
<b>Flame rating:</b>	EN 50575: EuroClass B2ca-s1a,d1,a1
<b>PoE compliance:</b>	Meets IEEE 802.3af, IEEE 802.3at and 802.3bt for PoE applications
<b>Installation tension:</b>	110 N (25 lbf)
<b>Temperature rating:</b>	0°C to 50°C (32°F to 122°F) during installation -20°C to 60°C (-4°F to 140°F) during operation
<b>Cable jacket:</b>	LSFRZH
<b>Cable diameter:</b>	7.5mm (0.295") nominal
<b>Cable weight:</b>	31kg/500m (69 lbs./1640')
<b>Packaging:</b>	500m (1640') on a reel Packaged tested to ISTA Procedure 1A

## key features and benefits

<b>Foiled individual pairs:</b>	Shielded pairs for exceptional cable performance
<b>Overall foil shield:</b>	Provides superior structural integrity and reduces low interference, including alien crosstalk to ensure exceptional cable performance at all swept frequencies up to 500 MHz
<b>Internal drain wire:</b>	Facilitates means of grounding the cable and provides for efficient performance and protection of network investment
<b>Descending length cable markings:</b>	Easy identification of remaining cable reduces installation time and cable scrap
<b>Bulk packaging:</b>	500m (1640') supplied on a reel for ease of installation

## 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. The 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:

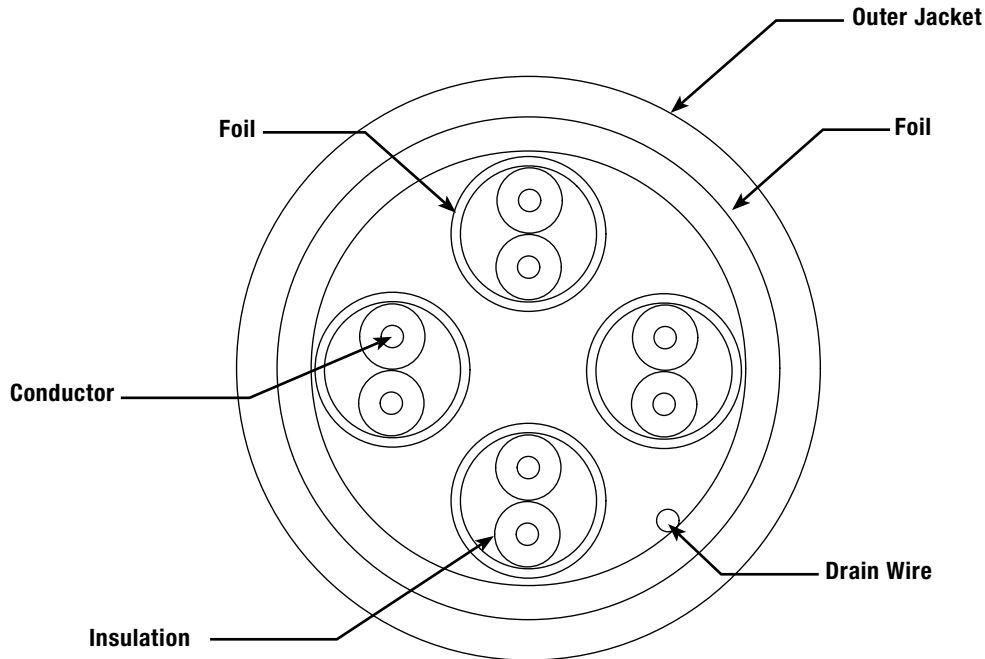
- 10GBASE-T Ethernet
- Data Center applications
- Virtual business management applications

# TX6A™ Category 6A Shielded F/FTP Copper Cable

## additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	8x Cable Diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	79% nominal
Operating Voltage, Maximum	80 V

## cable construction



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