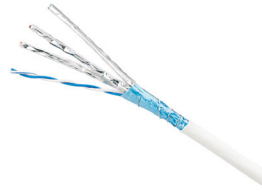


NetKey™ Category 6A Shielded F/FTP Copper Cable – Europe

specifications

Category 6A cable shall meet the ISO 11801 Class E_A and ANSI/TIA-568.2-D Category 6A channel standards. The conductors shall be 23 AWG insulated with SFS-PO. The copper conductors shall be twisted in pairs with each pair individually foiled. All four pairs shall then be surrounded by an overall metallic foil shield within a LSFRZH jacket.



NetKey™ Shielded Copper Cable System - Europe

NetKey™ Shielded Copper Cable F/FTP - Europe

LSFRZH: NFFY6X04**-HED

**To designate a colour, add suffix
BU (Blue), WH (White), YL (Yellow),
IG (International Grey), BL (Black),
RD (Red), GR (Green), OR (Orange),
or VL (Violet)

technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ISO 11801 Class E _A and ANSI/TIA-568.2-D Category 6A channel standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
Conductors/insulators:	23 AWG solid copper insulated with SFS-PO
Insulation diameter:	1.27-1.30mm (0.050-0.051 in.)
Flame rating:	EN 50575: Euroclass Cca-s1a,d0,a1 Note that the d0 classification applies only to product manufactured on or after January 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:	110 N (25 lbf)
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
Cable jacket:	LSFRZH
Cable diameter:	7.3mm (0.287 in.) nominal
Cable weight:	27 kg/500m (60 lbs./1640 ft.)
Packaging:	500m (1640 ft.) on a reel Packaged tested to ISTA Procedure 1A

key features and benefits

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

applications

NetKey™ Category 6A Shielded F/FTP Copper Cable is a component of the NetKey™ Category 6A Shielded F/FTP Copper Cabling System. Interoperable and backward compatible, the end-to-end system provides design flexibility to protect network investments well into the future.

The shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission.

Applications include:

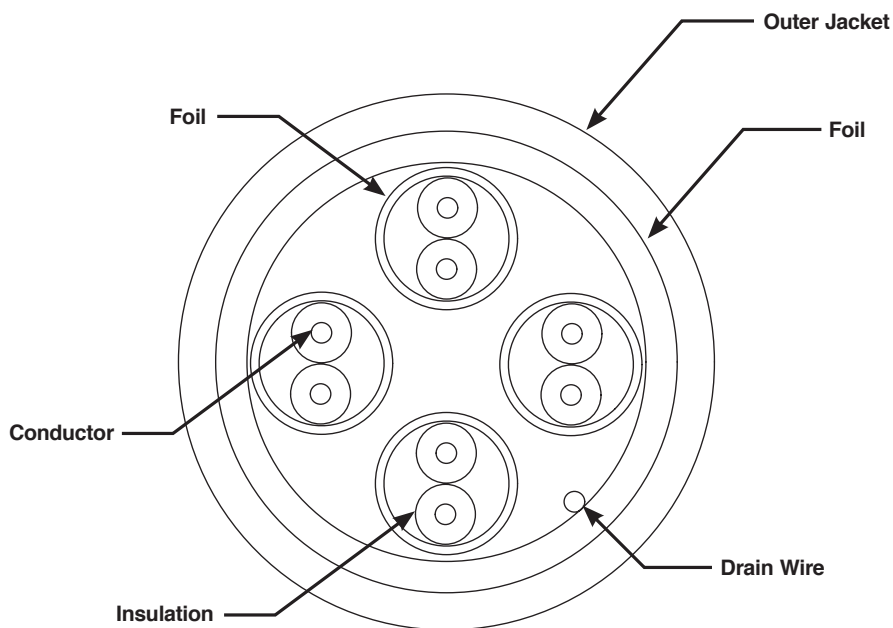
- 10GBASE-T Ethernet
- Data Center applications
- Virtual business management applications

NetKey™ Category 6A Shielded F/FTP Copper Cable - Europe

additional specifications

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

cable construction



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