

TX6™ Category 6 Shielded F/UTP Copper Cable

PANDUIT®

PRODUCT INFO

specifications

Category 6 cable shall meet the ANSI/TIA-568-C.2 Category 6 component standard. The conductors shall be 23 AWG construction with FEP insulation. The copper conductors shall be twisted in pairs, separated by an integrated pair divider and shielded with an overall polyester/aluminum foil with a 26 AWG stranded tinned copper drain wire and jacketed with a low smoke, flame retardant PVC (CMP) jacket.



technical information

Part number	PFP6C04**-UG (** designates jacket color, WH = white)
Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568-C.2 Category 6 standard for supporting 1000BASE-T transmission over twisted-pair cabling systems as part of the Panduit® TX6™ Shielded Copper Cabling System Certified component performance up to 100 meters and meets or exceeds the component requirements of the ANSI/TIA-568-C.2 Category 6 standard at swept frequencies up to 250 MHz
Conductors/insulators:	23 AWG solid copper insulated with FEP
Insulation diameter:	0.042 inch (1.07mm) nominal
Installation tension:	25 lbf (110 N)
Temperature rating:	-4°F to 167°F (-20°C to 75°C) during operation
Flame rating:	Plenum (CMP) NFPA 262 and CSA FT-6
Cable diameter:	0.275 inch (7.0mm) nominal
Cable weight:	39 lbs. per 1000 ft. (17 kg per 305m)
Packaging:	1000 ft.(305m) on reel

key features and benefits

Integrated pair divider:	Separates pairs for exceptional cable performance
Overall foil shield:	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance at all swept frequencies up to 250 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
Easy payout reel:	1000 ft. (305m) supplied on a reel

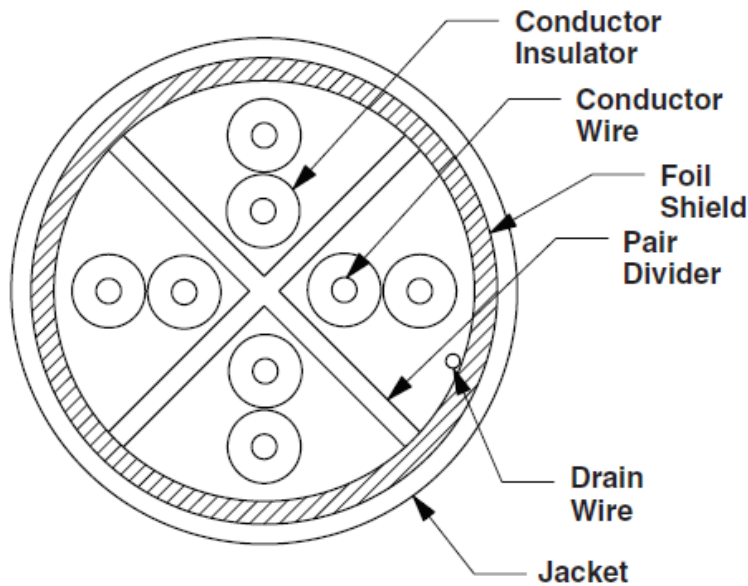
applications

TX6™ Shielded Copper Cable is a component of the Panduit® TX6™ 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 Panduit solution helps ensure organizations efficiently and reliably meet their data transmission needs. Usage of the TX6™ Shielded Copper Cabling System include high bandwidth applications within data centers and enterprises such as:

- 1000BASE-T Ethernet
- ATM 155 Mb/s
- PoE Compliance – IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt

TK6™ Category 6 Shielded F/UTP Copper Cable

Mechanical Test	
Ultimate Breaking Strength	>90 lbf (400 N)
Minimum Bend Radius	8 x Cable Diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	71% nominal



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