

TX6A™ Category 6A Shielded F/UTP Outside Plant (OSP) Copper Cable

specifications

Category 6A OSP cable shall meet the IEC 61156-5 and ANSI/TIA-568.2-D Category 6A component Standards. The conductors shall be 23 AWG with foamed polyethylene insulation. The cable shall have a gel-filled construction to prevent moisture migration in underground and wet applications and a wide temperature range for extreme weather environments. The copper conductors shall be twisted in pairs, separated by a pair separator, covered with an overall foil shield and a UV-resistant and abrasion-resistant polyethylene (PE) jacket. **Product is to be used in duct and conduit installations only. Not to be used in aerial or direct burial installations.**



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100m and exceeds ISO 11801 Class E _A and ANSI/TIA-568.2-D Category 6A Standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A Copper Cabling System. Certified component performance up to 100m and exceeds the IEC 61156-5 and ANSI/TIA-568.2-D Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling
Conductors/insulators:	23 AWG solid copper insulated with foamed polyethylene
Standards compliance:	ISO 11801 Class E _A , IEC 61156-5 Category 6A, ANSI/TIA-568.2-D Category 6A, IEC 60794-1-2F5 Method B Water Penetration Requirement
Flame rating:	EN50575: Euroclass Fca
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3 at, and IEEE 802.3bt for PoE applications
Insulation tension:	25 lbf (110N) maximum
Temperature rating:	-40°F to 176°F (-40°C to 80°C) during operation 32°F to 122°F (0°C to 50°C) during installation
Cable jacket:	Black UV- and abrasion-resistant polyethylene (PE)
Cable diameter:	0.323" (8.2mm) nominal
Cable weight:	71 lbs./1000' (32 kg/305m)
Packaging:	1000' (305m) reel Package tested to ISTA procedure 1AI

key features and benefits

Bulk packaging:	Ensures proper performance and provides quick installation
Descending length cable markings:	Print legend contains markings from 1000' to 0'
Robust design:	Shielding protects against environmental elements that can cause electrical performance failures
Flooding compound:	Waterproof gel prevents moisture migration and water ingress

applications

TX6A OSP Shielded Copper Cable is a component of the TX6A Copper Cabling System. This end-to-end system provides a cost-effective media for ensuring the most challenging 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.

Key applications include:

- 10GBASE-T Ethernet
- 1000BASE-T Gigabit Ethernet
- 10/100BASE-T Ethernet
- Broadband Video
- POE, POE+, POE++

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TX6A Shielded Copper Cable

Foot lengths: PFO6XO4BL-CEG

Mini-Com® TX6A™ 10Gig Shielded Jack Module

Jack module: CJS6X88TGY

TX6A™ 10Gig™ Shielded Patch Cords

Meters: STP6X4MIG

Feet: STP6X4MIG

Mini-Com® Angled All Metal Shielded Modular Patch Panels

24-port, 1 RU: CPA24BLY

48-port, 1 RU: CPA48HDBL

48-port, 2 RU: CPA48BLY

Cable Prep Tools

Wire snipping tool: CWST

Wire stripping tool: CJAST

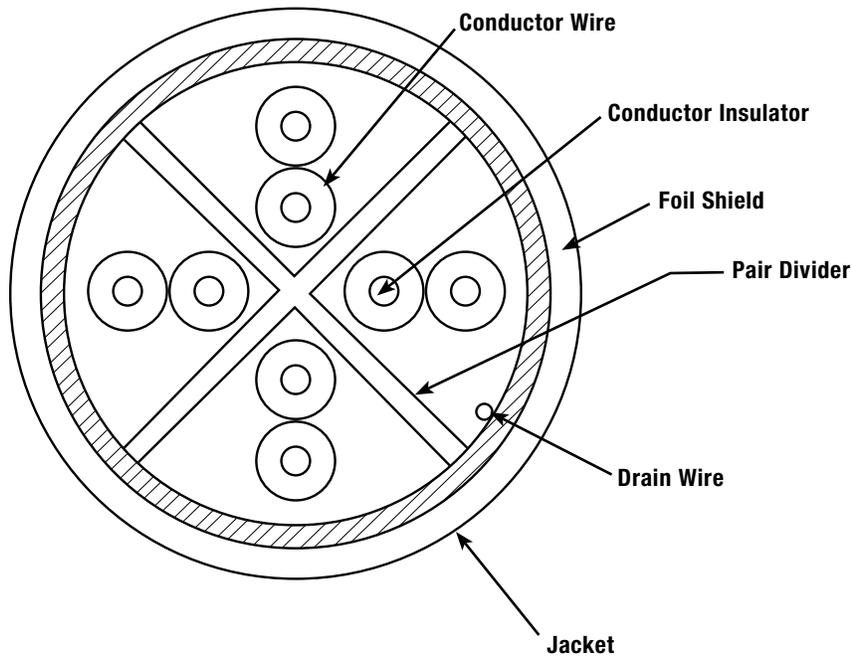
Country of Origin, China: PFO6XO4BL-CEG

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additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	8x Cable Diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	65% nominal
Operating Voltage, Maximum	80V

cable construction



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

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