

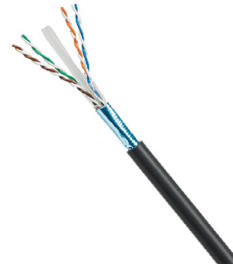
TX6A™ Shielded Category 6A F/UTP Outside Plant (OSP) Copper Cable

North America (NA)

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A OSP cable shall meet the ANSI/TIA-568.2-D Category 6A component Standard. The conductors shall be 23 AWG with polyolefin 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 100 meters and exceeds the ANSI/TIA-568.2-D Category 6A Standard for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A Copper Cabling System. Certified component performance up to 100 meters and exceeds the ANSI/TIA-568.2-D Category 6A standard for supporting 10GBASE-T transmission over twisted-pair cabling
Conductors/insulators	23 AWG solid copper insulated with polyolefin
Insulation diameter:	0.043 in. – 0.045 in. (1.09mm – 1.14mm)
Standards compliance:	Delay has been derated by 6% due to the water proofing agents The maximum permanent link length is reduced from 295 feet to 277 feet as a result of the delay derating
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3 at, and IEEE 802.3bt for PoE applications
Installation tension:	25 lbf (110N) maximum
Temperature rating:	-40°F to 167°F (-40°C to 75°C) during operation -22°F to 158°F (-30°C to 70°C) during installation
Cable jacket:	Black UV- and abrasion-resistant polyethylene (PE)
Cable diameter:	0.330 in. (8.4mm) nominal
Cable weight:	44 lbs./1000 ft. (20 kg/305m)
Packaging:	1000 ft. (305m) on a reel Package tested to ISTA procedure 1A

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

OSP: PFO6X04BL-CGZ



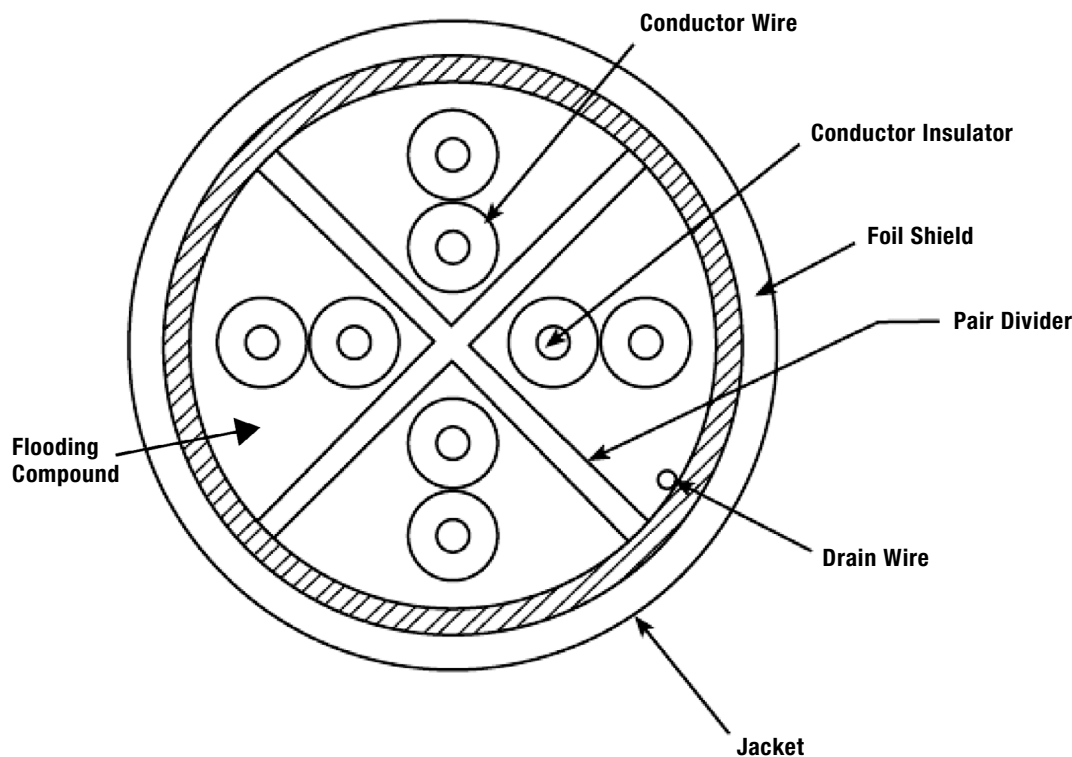
All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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ADDITIONAL INFORMATION

Mechanical Testing	
Ultimate breaking strength:	> 400 N (90 lbf)
Minimum bend radius:	8 x cable diameter
Engineering Testing	
Nominal velocity of propagation (NVP):	62% nominal
Operating voltage, maximum:	80 V

ENGINEERING DRAWING



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For a copy of Panduit product warranties, log on to www.panduit.com/warranty



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Visit us at www.panduit.com
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or by phone: 800.777.3300

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