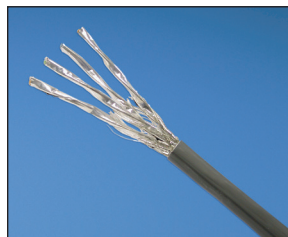


TX7000™ Category 7 S/FTP Outside Plant [OSP] Copper Cable

specifications

Category 7 OSP cable shall meet the IEC 61156-5 Category 7 and ANSI/TIA-568-C.2 Category 6A component standards. The conductors shall be 23 AWG with polyethylene insulation. The cable shall have a gel-filled construction and waterblock tape 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 each covered by a foil shield within an overall braided shield and a UV-resistant and abrasion-resistant polyethylene (PE) jacket which is also flame retardant and halogen free. 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 ISO 11801 Class Ea and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the Panduit® TX6A™ 10Gig Copper Cabling System. Certified component performance up to 100 meters and exceeds the IEC 61156-5 Category 7 and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling.
Conductors/insulators:	23 AWG solid copper insulated with polyolefin
Standard compliances:	ISO 11801 Class Ea, IEC 61156-5 Category 7, ANSI/TIA-568-C.2 Category 6A, IEC 60794-1-2F5 Method B Water Penetration Requirement
Flame rating:	IEC 60332-1, IEC 60754-2, EN50575: Euroclass Eca, Smoke classification: none
PoE Compliance:	Meets IEEE 802.3af, IEEE 802.3at, and IEEE 802.3bt for PoE applications
Installation tension:	22 lbf (100 N)
Temperature rating:	-10°C to 50°C (14°F to 122 °F) during installation -40°C to 75°C (-40°F to 167°F) during operation
Cable jacket:	Black UV- and abrasion-resistant polyethylene (PE)
Cable diameter:	8.5 mm (0.336 inch) nominal
Cable weight:	37 kg / 500m (82 lbs./ 1640 feet)
Packaging:	500 meter (1640 feet) reel Package tested to ISTA procedure 1A

key features and benefits

Reel	Ensures proper performance and provides quick installation
Descending length cable markings	Print legend contains meter markings
Robust design	Protects against environmental elements that can cause electrical performance failures.
Flooding compound and waterblock tape	Waterproof gel and waterblock tape prevents moisture migration and water ingress

applications

TX7000™ OSP Shielded Copper Cable is a component of the Panduit TX6A™ 10Gig 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++

PRODUCT IS TO BE USED IN DUCT AND CONDUIT INSTALLATIONS ONLY.
NOT TO BE USED IN AERIAL OR DIRECT BURY APPLICATIONS.

www.panduit.com

TX7000™ Shielded Copper Cable

OSP: PSO7004BL-KED

Mini-Com® TX6A™ 10Gig Shielded Jack Module

Jack module: CJS6X88TGY

TX6A™ 10Gig Shielded Patch Cords

Meters: STP6X**MIG

Feet: STP6X***IG

Mini-Com® Angled All Metal Shielded Modular Patch Panels

24-port, 1 RU: CPA24BLY

48-port, 2 RU: CPA48BLY

72-port, 2 RU: CPA72BLY

Mini-Com® Flat All Metal Shielded Modular Patch Panels

24-port, 1 RU: CP24BLY

48-port, 2 RU: CP48BLY

72-port, 2 RU: CP72BLY

Cable Prep Tools

**Wire
snipping tool:** CWST

**Wire
stripping tool:** CJAST

**For lengths 1 to 10 meters (increments of one meter) and 1.5, 2.5, 15, 20 meters, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. For example, the part number for a blue, 15-meter patch cord is STP6X15MBU.

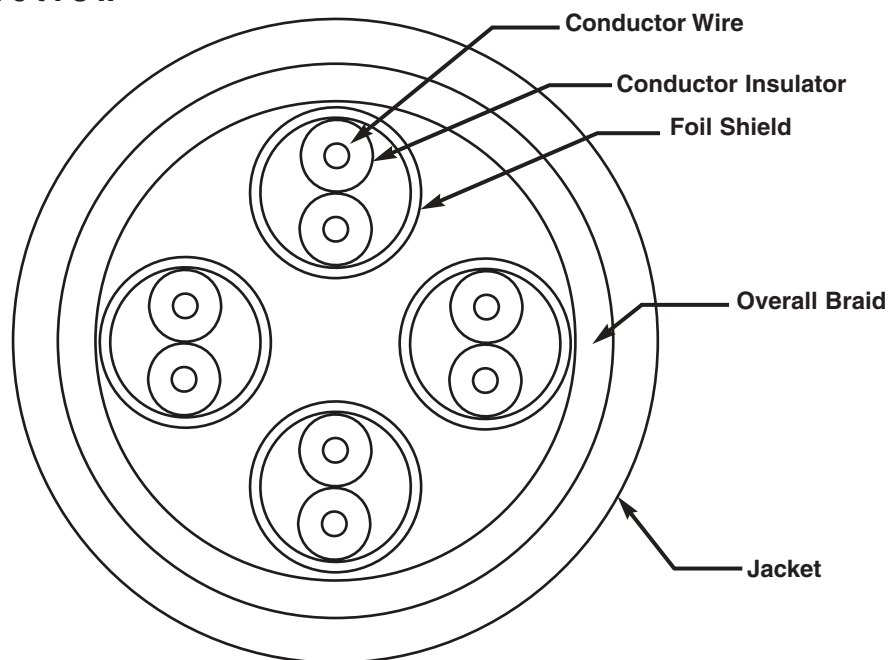
***For lengths 3 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. For example, the part number for a blue, 15-foot patch cord is STP6X16BU. Contact customer service for bulk packaged and/or keyed jack modules and patch cords

TX7000™ Category 7 S/FTP Outside Plant [OSP] Copper

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)	79% nominal
Operating Voltage, Maximum	80V

cable construction



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

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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