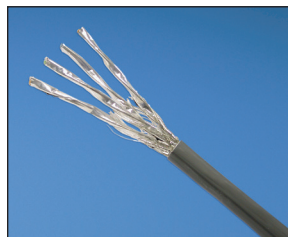


# TX7000™ Category 7 S/FTP Outside Plant [OSP] Copper Cable

## 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

<b>Electrical performance:</b>	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.
<b>Conductors/insulators:</b>	23 AWG solid copper insulated with polyolefin
<b>Standard compliances:</b>	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
<b>Flame rating:</b>	IEC 60332-1, IEC 60754-2, EN50575: Euroclass Eca, Smoke classification: none
<b>PoE Compliance:</b>	Meets IEEE 802.3af, IEEE 802.3at, and IEEE 802.3bt for PoE applications
<b>Installation tension:</b>	22 lbf (100 N)
<b>Temperature rating:</b>	-10°C to 50°C (14°F to 122 °F) during installation -40°C to 75°C (-40°F to 167°F) during operation
<b>Cable jacket:</b>	Black UV- and abrasion-resistant polyethylene (PE)
<b>Cable diameter:</b>	8.5 mm (0.336 inch) nominal
<b>Cable weight:</b>	37 kg / 500m (82 lbs./ 1640 feet)
<b>Packaging:</b>	500 meter (1640 feet) reel Package tested to ISTA procedure 1A

## key features and benefits

<b>Reel</b>	Ensures proper performance and provides quick installation
<b>Descending length cable markings</b>	Print legend contains meter markings
<b>Robust design</b>	Protects against environmental elements that can cause electrical performance failures.
<b>Flooding compound and waterblock tape</b>	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](http://www.panduit.com)

**PANDUIT®**  
SPECIFICATION SHEET

### 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.

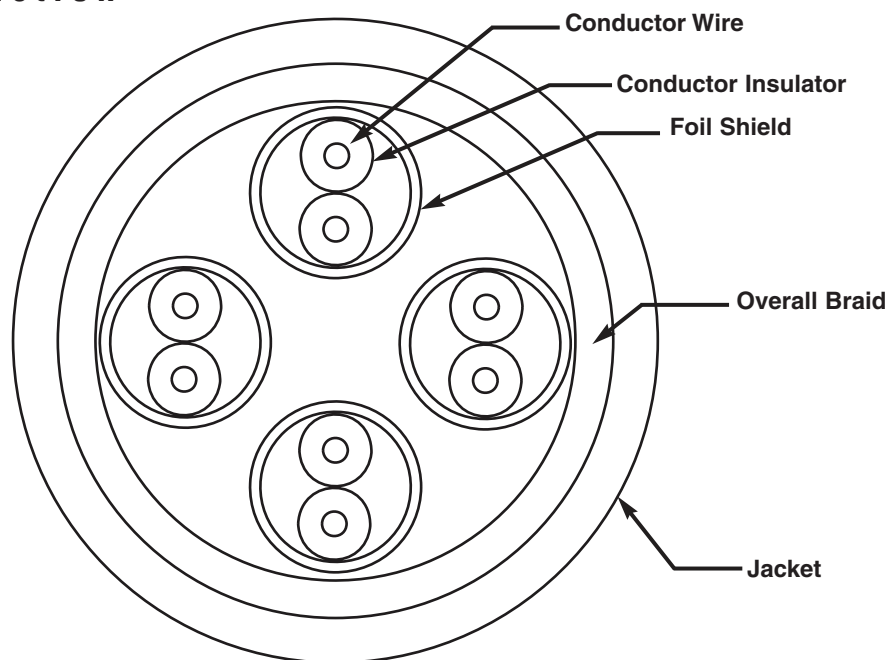
\*\*\*For lengths 3 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (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



### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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