TX7000™ Category 7 Shielded S/FTP Copper Cable – Europe

**Specifications**

Category 7 cable shall meet the IEC 61156-5 Category 7 component standard. The conductors shall be 23 AWG construction with SFS-PO insulation. The copper conductors shall be twisted in pairs each covered by a foil shield within an overall braided shield and a LSFRZH jacket.

**Technical Information**

**Electrical performance:** Certified performance in a 4-connector channel up to 100 meters and exceeds the requirements of the ANSI/TIA-568-2.D Category 6A, ISO 11801 Class E, and IEEE 802.3an supporting 10GBASE-T transmission over twisted-pair cabling systems when used as part of the Panduit® TX6A™ Shielded Copper Cabling System.

Certified component performance up to 100 meters and exceeds the component requirement of the IEC 61156-5 Category 7 standard.

**Conductor/insulator:** 23 AWG solid copper with SFS-PO

**Insulation diameter:** 1.27-1.30mm (0.050-0.051 in.)

**Flame rating:** Euroclass B2ca-s1a-d1-a1

**PoE compliance:** Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications

**Installation tension:** 110N (25 lbf) maximum

**Temperature rating:** 0° to 50°C (32° to 122°F) during installation -20° to 60°C (-4° to 140°F) during operation

**Cable jacket:** LSFRZH

**Cable diameter:** 7.4mm (0.291 in.) nominal

**Cable weight:** 28 kg/500m (62 lbs./1640 ft.)

**Packaging:** 500m (1640 ft.) on a reel Packaged tested to ISTA procedure 1A

**Key Features and Benefits**

- **Individually foiled** Prevents the coupling near-end crosstalk and alien crosstalk between twisted pairs to ensure 10GBASE-T transmission performance

- **Braided shield** Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance at descending lengths

- **Descending length cable markings** Easy identification of remaining cable reduces installation time and cable scrap

- **Bulk packaging** Supplied 500m (1640 ft.) to a reel

**Applications**

TX7000™ Shielded Copper Cable is a component of the TX6A™ Shielded Copper Cabling System. This end-to-end system provides a cost effective media for ensuring that 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. Usage of TX6A™ Shielded Copper Cabling System includes:

- Data center high bandwidth applications for switch-to-switch links, storage area networks aggregation of data
- 3-D modeling and work group file transfer
- Web-enabling applications, such as Voice over Internet Protocol (VoIP) and live video/audio broadcasting

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additional specifications

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<thead>
<tr>
<th>Mechanical Test</th>
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<tbody>
<tr>
<td>Ultimate Breaking Strength</td>
<td>&gt;400 N (90 lbf.)</td>
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<tr>
<td>Minimum Bend Radius</td>
<td>8 x cable diameter</td>
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<table>
<thead>
<tr>
<th>Electrical Test</th>
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<tr>
<td>Operating Voltage, Maximum</td>
<td>80V</td>
</tr>
<tr>
<td>Nominal Velocity of Propagation (NVP)</td>
<td>76% nominal</td>
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cable construction

Conductor Wire

Conductor Insulator

Foil Shield

Overall Braid Coverage 53%

Jacket

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