**TX6000™ Category 6 F/UTP Shielded Copper Cable**

**Specifications**

Category 6 F/UTP cable shall exceed ANSI/TIA-568-C.2 and IEC 61156-5 Category 6 component standards. The conductors shall be 23 AWG copper constructed with HDPE insulation. The copper conductors shall be twisted in pairs, and all four pairs shall be covered with an overall foil shield and covered by a low smoke zero halogen (LSZH) jacket.

**Technical Information**

**Electrical performance:**

Certified channel performance in a 4-connector configuration up to 100 meters and meets and exceeds the requirements of ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards at swept frequencies up to 250 MHz

Certified component performance up to 100 meters and exceeds the component requirement of IEC 61156-5 Category 6 and ANSI/TIA-568-C.2 Category 6 component standards at swept frequencies up to 250 MHz

**Conductors/insulators:**

23 AWG solid copper insulated with HDPE

**Flame rating:**

LSZH – IEC 60332-1, IEC 60754-1, IEC 60754-2, IEC 61034-2

**PoE compliance:**

Meets IEEE 802.3af and IEEE 802.3at for PoE applications

**Installation tension:**

110 N (25 lbf) maximum

**Temperature rating:**

0°C to 50°C (32°F to 122°F) during installation

-20°C to 75°C (-4°F to 167°F) during operation

**Cable jacket:**

LSZH – Low Smoke Zero Halogen

**Cable diameter:**

7.5mm (0.296 in.) nominal

**Cable weight:**

15 kg/305m (33.0 lbs./1000 ft.)

**Packaging:**

305m (1000 ft.) reel

Package tested to ISTA Procedure 1A

**Key Features and Benefits**

**Overall metallic foil shield**

Provides superior structural integrity, reduces signal emissions for secure transmissions and reduces external interference to ensure exceptional cable performance at all swept frequencies

**Third party tested**

Cable has been tested as part of the TX6000™ Category 6 F/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of ISO 11801 Category E and ANSI/TIA-568-C.2 Category 6 standards

**Descending length cable markings**

Easy identification of remaining cable reduces installation time and cable scrap

**Packaged on a reel**

Ensures proper performance and provides quick installation

**Applications**

TX6000™ Shielded Copper Cable is a component of the Panduit® TX6000™ Shielded Copper Cabling System. Interoperable and backwards compatible, this end-to-end system provides design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, this system is ideal for today’s high-performance work stations and will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (10 Gigabit Ethernet), 10000BASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16

www.panduit.com
**TX6000™ Category 6 F/UTP Shielded Copper Cable**

### Additional Specifications

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<tr>
<th>Mechanical Test</th>
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<tbody>
<tr>
<td><strong>Ultimate Breaking Strength</strong></td>
<td>&gt;400 N (90 lbf)</td>
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<tr>
<td><strong>Minimum Bend Radius</strong></td>
<td>8 x cable diameter</td>
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<table>
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<tr>
<th>Electrical Test</th>
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<tr>
<td><strong>Nominal Velocity of Propagation (NVP)</strong></td>
<td>67%</td>
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### Cable Construction

- **Conductor Insulator**
- **Conductor Wire**
- **Foil Shield**
- **Pair Divider**
- **Drain Wire**
- **Jacket**

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

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For more information

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