**Electrical performance:**
Certified channel performance in a 4-connector configuration up to 100 meters and meets ANSI/TIA-568-C.2 Category 6 standard at swept frequencies up to 250MHz.
Certified component performance up to 100 meters and meets the component requirements of ANSI/TIA-568-C.2 Category 6 component standard at swept frequencies up to 250 MHz.

**Conductors/insulators:**
Plenum – 23 AWG solid copper covered by FEP/polyolefin insulation
Riser – 23 AWG solid copper covered by polyolefin insulation

**Flame rating:**
Plenum – NFPA 262
Riser – UL1666

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

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

**Temperature rating:**
32°F to 122°F (0°C to 50°C) during installation
-4°F to 167°F (-20°C to 75°C) during operation (Riser)
-4°F to 167°F (-20°C to 75°C) during operation (Plenum)

**Cable jacket:**
Plenum – low smoke, flame-retardant PVC
Riser – flame-retardant PVC

**Cable diameter:**
Plenum – 0.224 in. (5.7mm) nominal
Riser – 0.210 in. (5.3mm) nominal

**Cable weight:**
Plenum – 29 lbs./1000 ft. (13 kg/305m)
Riser – 22 lbs./1000 ft. (10 kg/305m)

**Packaging:**
1000 ft. (305m) in an easy payout carton
Package tested to ISTA Procedure1A

**Key features and benefits**
- Third party tested
- Cable has been tested as part of the Category 6 UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ANSI/TIA-568-C.2 Category 6
- Descending length cable markings
- Easy identification of remaining cable reduces installation time and cable scrap
- Tested beyond the standards
- Cable has been characterized to 350 MHz, 100 MHz above the standard
- Easy payout carton
- Ensures proper performance and provides quick installation

**Applications**
Interoperable and backward compatible, the Panduit TX6™ Cabling 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 will support the following applications:
- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-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
## TX6™ Category 6 U/UTP Copper Cable

### Additional Specifications

<table>
<thead>
<tr>
<th>Mechanical Test</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Ultimate Breaking Strength</td>
<td>&gt;90 lbf (400N)</td>
</tr>
<tr>
<td>Minimum Bend Radius</td>
<td>4 x cable diameter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical Test</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Velocity of Propagation (NVP)</td>
<td>CMP – 72%</td>
</tr>
<tr>
<td></td>
<td>CMR – 69%</td>
</tr>
<tr>
<td>Operating Voltage, Maximum</td>
<td>80V</td>
</tr>
</tbody>
</table>

### Cable Construction

![Cable Construction Diagram]

- **Jacket**
- **Conductor Wire**
- **Conductor Insulator**
- **Rip Cord**