TX6™ PLUS UTP Patch Cords

 Specifications

Category 6/Class E, UTP patch cords shall be constructed of 24 AWG unshielded twisted pair stranded copper cable with an enhanced performance modular plug at each end. Patch cord cable shall be offered in multiple colored UTP cable for design flexibility with a clear strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.

Technical Information

Category 6/Class E channel and component performance: Exceeds all ANSI/TIA-568.2-D and ISO 11801 Class E standards for all frequencies from 1 to 250 MHz

Cable diameter: 0.235 in. (6.0mm) nominal

FCC and ANSI compliance: Meets ANSI/TIA-1096-A (formerly FCC Part 68); contacts plated with 50 microinches of gold for superior performance

IEC compliance: Meets IEC 60603-7

UL rated: UL 1863 approved

RoHS compliance: Compliant

PoE compliance: Rated for 2500 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4

Flammability rating: CM or LSZH

Key Features and Benefits

100% performance tested for wire map, NEXT and return loss

Centered de-embedded plug: Performs in center of ANSI/TIA-568.2-D component range, ensuring interoperability and optimum performance

Integral pair manager: Optimizes performance and consistency by reducing untwist at plug

Patented tangle-free latch: Prevents snags and provides easy release, saving time on frequent moves, adds and changes

Slender strain relief boot: Provides easy access in high-density applications

Flexible stranded cable: U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.235 inch allows for high density installations and superior panel cable management

Identification: Provides identification of performance level, length, and quality control number for future traceability

Variety of cable colors and lengths: Meets individual length and color-coding requirements for greater system flexibility

Robust construction: Rated to 2500 mating cycles

Keyed version available: Color-specific keys with positive and negative keying features mechanically and visually distinguish connections to prevent unintentional mating with unlike keyed or non-keyed jack modules, offering network design flexibility, versatility accommodating discrete networks for enhanced security

Color bands (optional): Snap onto cable, allowing additional color-coding options

RJ45 plug lock-in device (optional): Secures plug into jack to prevent unauthorized removal of patch cord

Applications

TX6™ PLUS UTP Patch Cords are a component of TX6500™ and TX6000™ Copper Cabling Systems. Interoperable and backward compatible, these end-to-end systems provide design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards, these systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10Gigabit 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
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

Contact customer service for keyed connectivity, bulk packaged jack modules and patch cords.

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T568B Wiring Scheme

<table>
<thead>
<tr>
<th>Plug Position</th>
<th>Cable Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White/Orange</td>
</tr>
<tr>
<td>2</td>
<td>Orange</td>
</tr>
<tr>
<td>3</td>
<td>White/Green</td>
</tr>
<tr>
<td>4</td>
<td>Blue</td>
</tr>
<tr>
<td>5</td>
<td>White/Blue</td>
</tr>
<tr>
<td>6</td>
<td>Green</td>
</tr>
<tr>
<td>7</td>
<td>White/Brown</td>
</tr>
<tr>
<td>8</td>
<td>Brown</td>
</tr>
</tbody>
</table>

Twist Tie
Identification Label
Strain Relief Boot
Modular Plug
Tangle-Free Latch

Recycle at end of life

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300 and reference COSP51

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COSP51--WW-ENG
1/2019