

# TX5e™ UTP Patch Cords

## SPECIFICATIONS

Category 5e/Class D, UTP patch cords shall be constructed of 24 AWG unshielded twisted pair stranded copper cable with a high performance modular plug at each end. Patch cord cable shall be offered in multiple colored UTP cable in multiple lengths for design flexibility. All patch cords shall be compatible with both T568A and T568B wiring schemes.



## TECHNICAL INFORMATION

|                                                               |                                                                                                                                              |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Category 5e/Class D channel and component performance:</b> | Exceeds all ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards for all frequencies from 1 to 100 MHz                               |
| <b>FCC and ANSI compliance:</b>                               | Meets ANSI/TIA-1096-A requirements (formerly FCC Part 68) requirements; contacts plated with 50 microinches of gold for superior performance |
| <b>IEC compliance:</b>                                        | Meets IEC 60603-7                                                                                                                            |
| <b>PoE compliance:</b>                                        | Supports IEEE 802.3af/802.3at (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications                 |
| <b>c(UL)us compliance:</b>                                    | UL 1863 approved                                                                                                                             |
| <b>RoHS compliance:</b>                                       | Compliant                                                                                                                                    |
| <b>Cable diameter:</b>                                        | 0.215 in. (5.5mm) nominal                                                                                                                    |
| <b>Contacts:</b>                                              | Gold plated phosphor bronze; contacts plated with 50 microinches of gold for superior performance                                            |
| <b>Flammability rating:</b>                                   | CM or LSZH                                                                                                                                   |

## KEY FEATURES AND BENEFITS

|                                                                     |                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>100% Performance tested for wire map, NEXT, and return loss:</b> | Confidence that each patch cord delivers specified performance                                                                                                                                                                                                                                       |
| <b>Flexible stranded cable:</b>                                     | U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.215 inch (5.5mm) allows for high density installations and superior panel cable management                                                                                                                                           |
| <b>Center de-embedded plug:</b>                                     | Performs in center of ANSI/TIA-568-C.2 component range, ensuring interoperability and superior performance                                                                                                                                                                                           |
| <b>Integral pair manager:</b>                                       | Optimizes performance and consistency by reducing untwist at plug                                                                                                                                                                                                                                    |
| <b>Keyed version available:</b>                                     | 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 |

## APPLICATIONS

TX5e UTP Patch Cords are a component of the TX5500™ Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards, this system will support the following applications:

- 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token ring 4/16
- Voice/data systems
- Voice over Internet Protocol (VoIP)

### TX5e UTP Patch Cords

|                       |            |
|-----------------------|------------|
| <b>Foot lengths:</b>  | UTPCH*^Y   |
| <b>Meter lengths:</b> | UTPCH**M^Y |

### Tools and Accessories

|                                           |                |
|-------------------------------------------|----------------|
| <b>Patch cord removal tool:</b>           | PCRT1          |
| <b>Flashlight kit:</b>                    | KPCRT1-FL      |
| <b>Patch cord band:</b>                   | PCBAND^^Q      |
| <b>Standard RJ45 plug lock-in device:</b> | PSL-DCPLE^^^+  |
| <b>Recessed RJ45 plug lock-in device:</b> | PSL-DCPLRE^^^+ |

\*Feet lengths: 1 - 10 feet (every 1 foot)  
15 - 20 feet (every 5 feet)

\*\*Meter lengths: 1 - 5 meters (every 1 meter)  
^Colors other than Off White: BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), GY (Gray), OR (Orange), or VL (Violet)

^^Colors: WH (White), EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet)



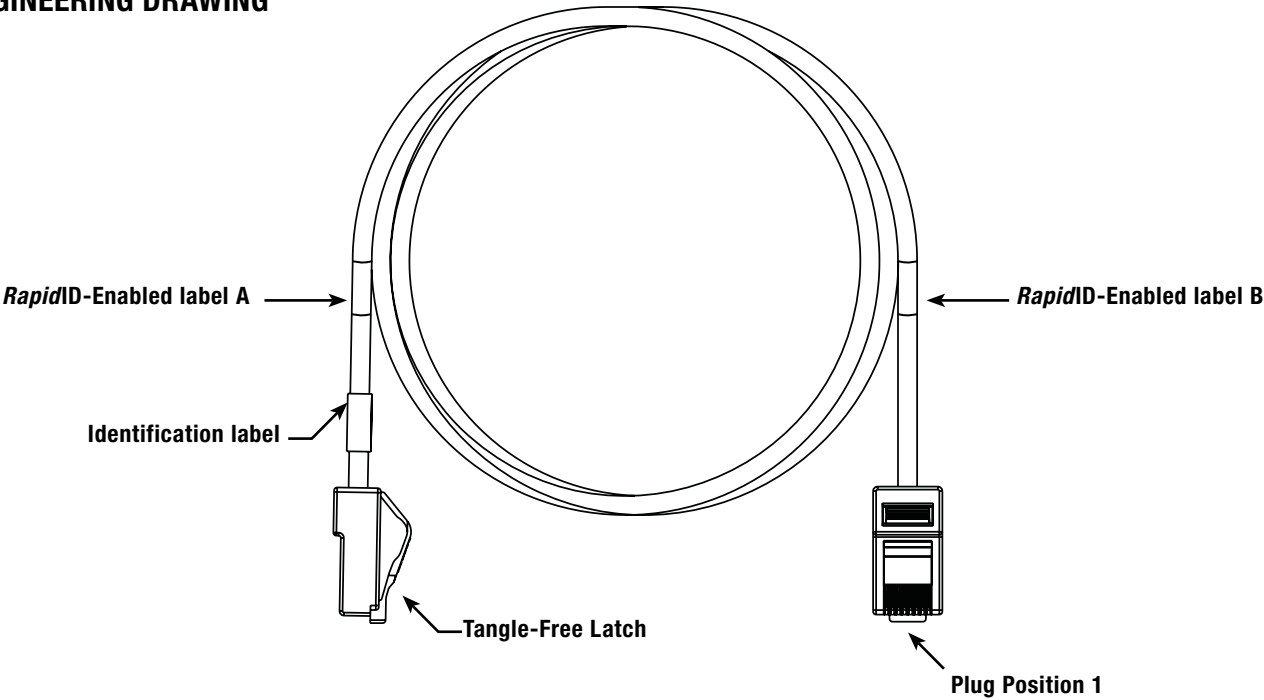
TX5e™ UTP Patch Cords are pre-labeled with the RapidID™ Network Mapping System to enable faster tracing, placing, and network documentation.

Learn more: [www.panduit.com/rapid-id](http://www.panduit.com/rapid-id)



All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

ENGINEERING DRAWING



| T568B Wiring Scheme |              |
|---------------------|--------------|
| Plug Position       | Cable Wire   |
| 1                   | White/Orange |
| 2                   | Orange       |
| 3                   | White/Green  |
| 4                   | Blue         |
| 5                   | White/Blue   |
| 6                   | Green        |
| 7                   | White/Brown  |
| 8                   | Brown        |

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