

## specifications

Category 6A/Class E<sub>A</sub>, keyed shielded patch cords shall be constructed of 26 AWG shielded stranded copper cable with a keyed modular plug on one end and a non-keyed modular plug on the other end. Keyed modular plugs shall be mechanically keyed with color-specific positive and negative keying features to prevent unintentional mating with unlike keyed or non-keyed jack modules. Copper conductors in patch cable shall be twisted in pairs and separated by a quadrant separator. All four pairs shall be surrounded by a foil shield and a flame retardant jacket. Patch cords shall be used in all work area outlets and patch panels and shall be compatible with both T568A and T568B wiring schemes.



## technical information

**Category 6A/ISO 11801 Class E<sub>A</sub> channel performance:** Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA/EIA568-B.2-10, ISO 11801 Class E<sub>A</sub> Edition 2.1, and IEEE 802.3an-2006, standards for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the PANDUIT® TX6™ 10GiG™ Shielded Copper Cabling System

**Cable diameter:** TBD

**FCC compliance:** Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold for superior performance

**IEC compliance:** Meets IEC 60603-7

**PoE compliance:** Meets IEEE 802.3af and draft requirements of IEEE 802.3at for PoE Plus

**UL rated:** No. 1863

## key features and benefits

**Color-specific keys with positive and negative keying features** Mechanically and visually distinguish connections to prevent unintentional insertion into unlike keyed or non-keyed ports, all network design flexibility and versatility, and accommodate more discrete networks

**100% performance tested** Confidence that each patch cord delivers specified performance

**Center de-embedded plug** Performs in center of ANSI/TIA/EIA 568-B.2-1 component range ensuring interoperability and superior performance

**Integral pair manager** Optimizes performance, consistency, and reliability by reducing untwist at plug

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

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

**Robust construction** Rated to 2500 mating cycles

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

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

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

## applications

The TX6A™ 10GiG™ Keyed Shielded Patch Cords are a component of the PANDUIT® TX6A™ 10GiG™ Shielded Copper Cabling System. Keyed connectivity enables a level of visual and mechanical differentiation, and physical layer security that conventional cabling systems cannot provide. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission. Usage of the TX6A™ 10GiG™ Shielded Copper Cabling System includes high bandwidth applications within data centers and connections to high-end workstations. Key applications include:

- 10GBASE-T Ethernet
- Data center server virtualization
- Back-bone aggregation
- Data center I/O consolidation
- Consolidation of network interconnects
- Parallel processing and high speed computing

### TX6A™ 10GiG™ Keyed Shielded Copper Cabling System

#### TX6A™ 10GiG™ Keyed Shielded Patch Cords

**Keyed A (black):** STPK6X\*BL  
**Keyed B (red):** STPK6X\*RD  
**Keyed C (green):** STPK6X\*GR  
**Keyed D (yellow):** STPK6X\*YL  
**Keyed E (orange):** STPK6X\*OR  
**Keyed F (blue):** STPK6X\*BU

#### MINI-COM® TX6A™ 10GiG™ Keyed Shielded Jack Modules

**Keyed A (black):** CJSK6X88TGBL  
**Keyed B (red):** CJSK6X88TGRD  
**Keyed C (green):** CJSK6X88TGGR  
**Keyed D (yellow):** CJSK6X88TGYL  
**Keyed E (orange):** CJSK6X88TGOR  
**Keyed F (blue):** CJSK6X88TGBU

#### TX6A™ 10GiG™ Shielded Copper Cable

**Plenum:** PSP6004\*\*-UGY  
**Riser:** PSR6004\*\*-UGY

#### MINI-COM® Angled Flush Mount Modular Patch Panels

**24-port, 1RU:** CPPA24FMWBLY  
**48-port, 2RU:** CPPA48FMWBLY

#### MINI-COM® Flat Flush Mount Modular Patch Panels

**24-port, 1RU:** CPP24FMWBLY  
**48-port, 2RU:** CPP48FMWBLY  
**72-port, 2RU:** CPP72FMWBLY

For additional modular patch panels reference [www.panduit.com](http://www.panduit.com)

#### Tools and Accessories

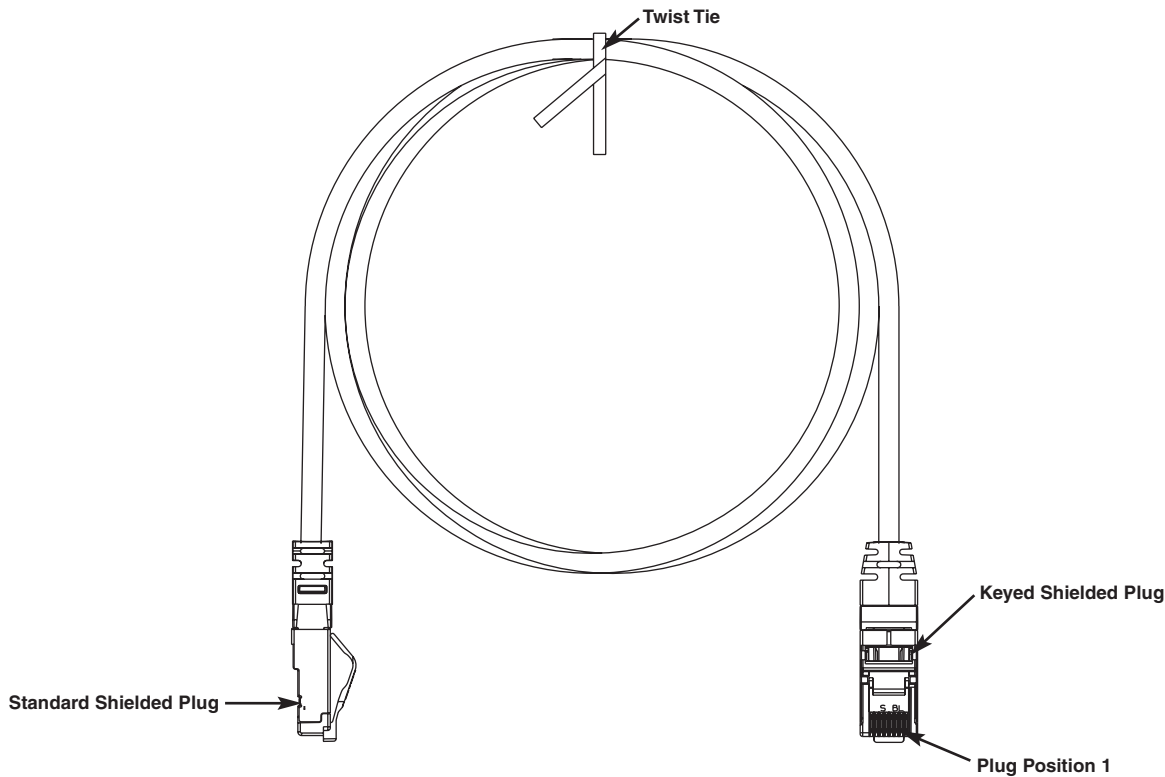
**Patch cord removal tool:** PCRT1  
**Flashlight kit:** KPCRT1-FL  
**Patch cord color band:** PCBAND^Q

\*Substitute for length in feet: 3, 5, 7, 10 or 14 feet. Contact customer service for universal reference patch cords.

\*\*To designate color, add suffix BU (Blue), WH (White), IG (International Gray) or YL (Yellow). For additional colors, contact customer service.

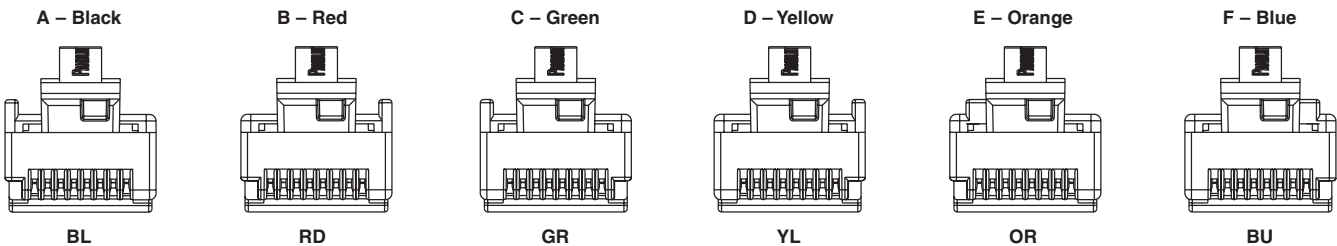
^To designate color, add suffix WH (White), EI (Electric Ivory), IG (Int'l Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) before -Q in part number. 25/package.

# TX6A™ 10Gig™ Keyed Shielded Patch Cords



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

## Shielded Patch Cord Color/Key Code



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