

TX6A™ 10GIG™ Keyed Shielded Patch Cords

SPECIFICATIONS

Category 6A/Class E_A, 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_A channel performance:	Certified channel performance in a 4-conductor configuration up to 100 meters and exceeds the requirements of ANSI/TIA/EIA568-B.2-10, ISO 11801 Class E _A 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 TX6™ 10GIG™ Shielded Copper Cabling System
Cable diameter:	0.22 in. (5.8mm) nominal
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

100% Performance tested:	Confidence that each patch cord delivers specified performance
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
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
Robust construction:	Rated to 2500 mating cycles

APPLICATIONS

The TX6A 10GIG Keyed Shielded Patch Cords are a component of the 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-toned 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 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):	CJSK6X88TGROR
Keyed F (blue):	CJSK6X88TGBU

TX6A 10GIG Shielded Copper Cable

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

Tools and Accessories

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

*Feet lengths: 3, 5, 7, 10 or 14 feet

**Colors: BU (Blue), WH (White), IG (International Gray) or YL (Yellow)

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

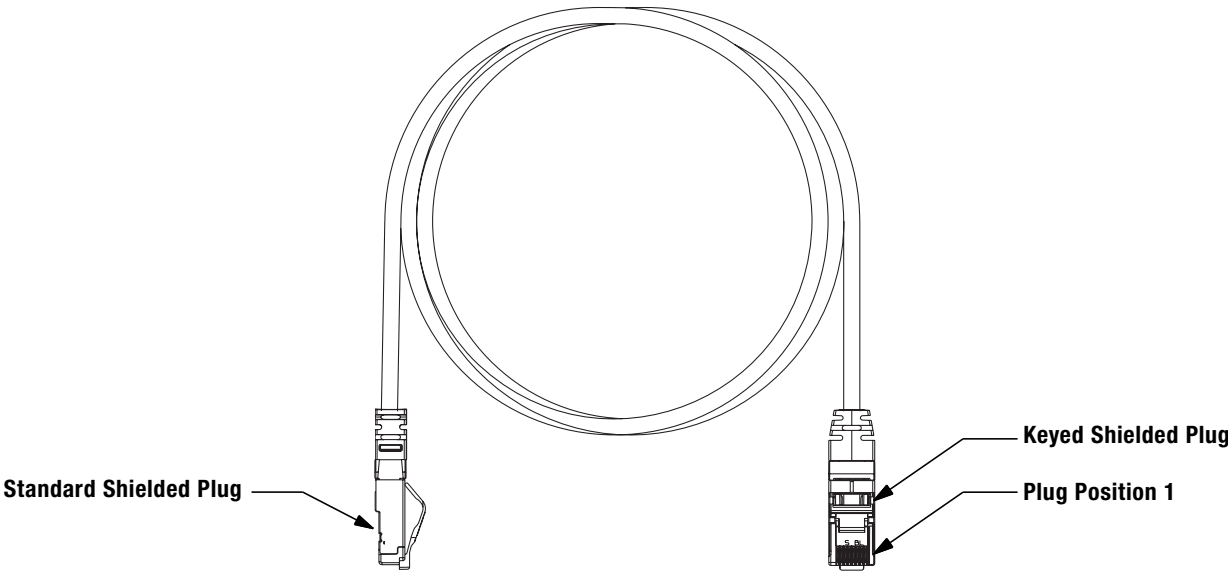
-Q indicates 25 pieces per bulk pack to reduce single-use plastic



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

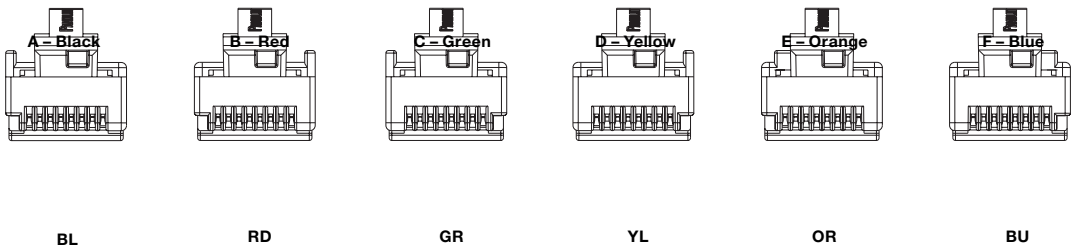
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ENGINEERING DRAWINGS



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



Dimensions are in inches. [Dimensions in brackets are metric].

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