

# TX6A™ 10Gig™ Keyed UTP Patch Cords

## SPECIFICATIONS

Category 6A/Class E<sub>A</sub>, keyed UTP patch cords shall be constructed of 23 AWG twisted pair 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 matrix tape and a flame retardant jacket. The patent pending matrix tape shall suppress alien crosstalk and allow 10 Gb/s transmission. 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

<b>Category 6/Class E channel and component performance:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA/EIA-568-B.2-1 Category 6A and ISO 11801 Class E <sub>A</sub> Edition 2.1 Standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A 10GIG UTP Copper Cabling System  Certified component performance to the ANSI/TIA/EIA-568-B.2-10 Category 6A and ISO 11801 Class E <sub>A</sub> Standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
<b>IEC compliance:</b>	IEC 60603-7, IEC 60529 (IP 20)
<b>FCC:</b>	Meets ANSI/TIA-968-A; contacts are plated with 50 microinches of gold for superior performance
<b>PoE:</b>	Meets IEEE 802.3af and draft requirements of IEEE 802.3at for PoE Plus
<b>UL compliance</b>	UL 1863
<b>Cable diameter:</b>	0.280 in. (7.1mm) nominal

## KEY FEATURES AND BENEFITS

<b>100% performance tested:</b>	Confidence that each patch cord delivers specified performance
<b>Color-specific keys with positive and negative keying features:</b>	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
<b>Center de-embedded plug:</b>	Performs in center of ANSI/TIA/EIA 568-B.2-1 component range ensuring interoperability and superior performance
<b>Integral pair manager:</b>	Optimizes performance, consistency, and reliability by reducing untwist at plug
<b>Slender strain relief boot:</b>	Provides easy access in high-density applications
<b>Robust construction:</b>	Rated to 2500 mating cycles

## APPLICATIONS

The TX6A 10Gig Keyed UTP Patch Cords are a component of the TX6A 10GIG UTP 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. Usage of the TX6A 10GIG UTP Copper Cabling System includes high bandwidth applications within data centers and connections to high-end workstations. Key applications include:

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

### TX6A 10Gig Keyed UTP Patch Cords

<b>Keyed A (black):</b>	UTPK6A*BL
<b>Keyed B (red):</b>	UTPK6A*RD
<b>Keyed C (green):</b>	UTPK6A*GR
<b>Keyed D (yellow):</b>	UTPK6A*YL
<b>Keyed E (orange):</b>	UTPK6A*OR
<b>Keyed F (blue):</b>	UTPK6A*BU

### Mini-Com® TX6 PLUS Keyed UTP Jack Modules

<b>Keyed A (black):</b>	CJK6X88TGBL
<b>Keyed B (red):</b>	CJK6X88TGRD
<b>Keyed C (green):</b>	CJK6X88TGGR
<b>Keyed D (yellow):</b>	K6X88TGYL
<b>Keyed E (orange):</b>	CJK6X88TGOR
<b>Keyed F (blue):</b>	CJK6X88TGBU

### Tools and Accessories

<b>Patch cord</b>	PCRT1
<b>removal tool:</b>	
<b>Flashlight kit:</b>	KPCRT1-FL
<b>Patch cord</b>	PCBAND^~Q
<b>color band:</b>	

\*Feet lengths: 3, 5, 7, 10 feet

\*\*Meter lengths: 1, 2, 3, 5, 7, 10 meters

^Colors: BU (Blue), BL (Black), GR (Green), RD (Red), or YL (Yellow)



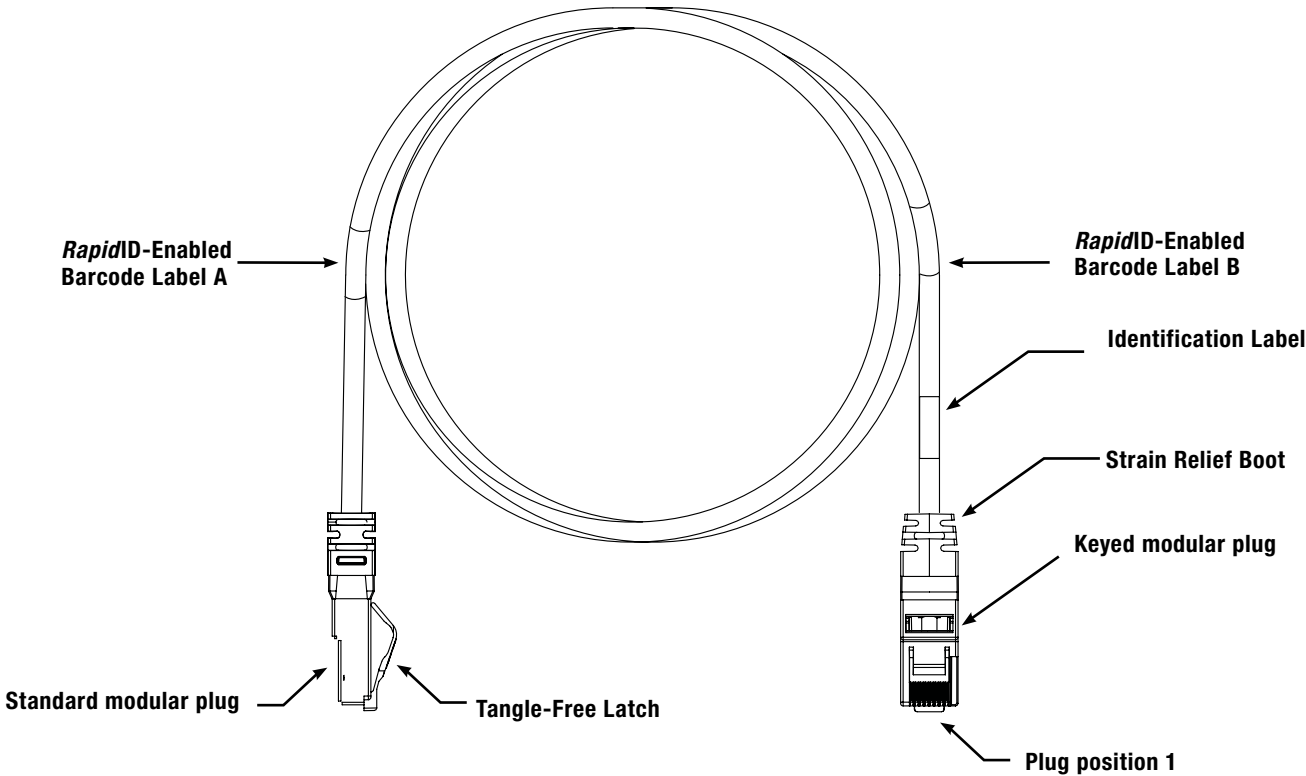
TX6A™ 10GIG™ Keyed UTP Patch Cords are pre-labeled with the **RapidID™** Network Mapping System to enable faster tracing, placing, and network documentation. Learn more: [www.panduit.com/rapid-id](http://www.panduit.com/rapid-id)



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

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## ENGINEERING DRAWINGS



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