TX6A™ 10Gig UTP Patch Cords

PANDUIT®
SPECIFICATION SHEET
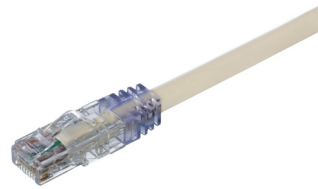
SPECIFICATIONS

Category 6A/Class E$_A$, UTP patch cords shall be constructed of 24 AWG solid copper cable with an enhanced performance modular plug on each end. Copper conductors in patch cable shall be twisted in pairs and separated by a quadrantseparator. All four pairs shall be surrounded by solid foil tape and a flame retardant jacket. The tape shall suppress alien crosstalk and allow 10 Gb/s transmission. Patch cord cable shall be offered in multiple colors and lengths for design flexibility with a strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.

TECHNICAL INFORMATION

Category 6A/Class E$_A$ performance:	Exceeds all ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E$_A$ electrical performance requirements for frequencies up to 500 MHZ
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A requirements (formerly FCC Part 68); contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Compliant with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
c(UL)us compliance:	UL 1863 approved
RoHS compliance:	Compliant
Cable diameter:	0.250 in. (6.4mm) nominal
Headroom warranty:	Guaranteed performance beyond the standard when a complete end-to-end TX6A 10Gig UTP Copper Cabling System is installed by a Panduit certified installer
Installation temperature:	-40°F-158°F (-40°C-70°C)
Flammability rating:	CM

KEY FEATURES AND BENEFITS

100% Performance tested:	Confidence that each patch cord delivers specified performance
Superior headroom Warranty:	Provides the highest margins above the industry standard for both electrical and alien crosstalk performance
Flexible cable design:	Improved cable management in high density applications enabling easier installations
Center de-embedded plug:	Performs in center of ANSI/TIA-568.2-D 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

APPLICATIONS

The TX6A 10Gig UTP Patch Cords are a component of the TX6A 10Gig UTP Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future. 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 UTP Patch Cords	
Foot lengths	UTP6AX*^
Meter lengths:	UTP6AX**M^
Tools and Accessories	
Patch cord removal tool:	PCRT1
Flashlight kit:	KPCRT1-FL
Patch cord color band:	PCBAND^^-Q
Standard RJ45 plug lock-in device:	PSL-DCPLE^^^+

*Feet Lengths: 1 - 29 feet (every 1 foot)
30 - 50 feet (every 5 feet)

**Meter Lengths: 0.2 meters
0.5 - 5 meters (every 0.5 meters)
6 - 15 meters (every 1 meter)
20 meters

^Colors: BL (Black), GY (Gray), GR (Green), RD (Red), YL (Yellow), OR (Orange), 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)

^^^Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), IW (International White), or -IG (International Gray)

+Add -X for packages of 10 or -C for packages of 100 packages of 100

-Q indicates 25 pieces per package to reduce single-use plastic

◊Lengths 1 meter to 15 meters or 6 inches to 49 feet are guaranteed to meet TIA and ISO component and channel requirements. Lengths greater than 1 5 meters or 49 feet are guaranteed to meet ISO component and both TIA and ISO channel requirements.
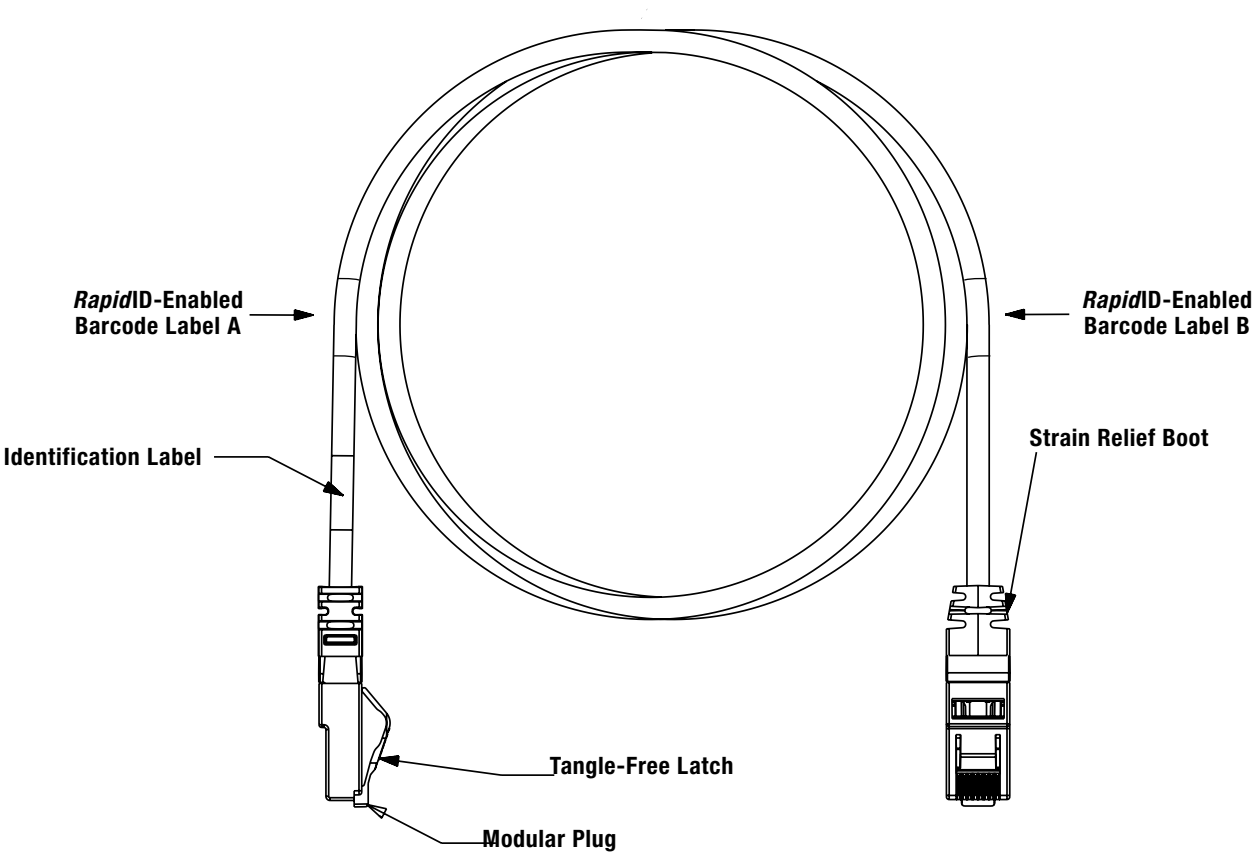
RAPID ID™ enabled

TX6A™ 10Gig UTP Patch Cords arev pre-labeled with the *RapidID™* Network Mapping System to enable faster tracing, placing, and network documentation.
Learn more: **www.panduit.com/rapid-id**

TAA Compliant

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

TX6A™ 10Gig UTP Patch Cords

ENGINEERING DRAWING

*Rapid*ID-Enabled
Barcode Label A →

← *Rapid*ID-Enabled
Barcode Label B

Identification Label

Strain Relief Boot

Tangle-Free Latch

Modular Plug

Recycle at end of life

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

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

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

PANDUIT®

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Panduit](#):

UTP6AX0.5M UTP6AX0.5MBL UTP6AX0.5MBU UTP6AX0.5MGR UTP6AX0.5MGY UTP6AX0.5MOR
UTP6AX0.5MRD UTP6AX0.5MVL UTP6AX0.5MYL UTP6AX1 UTP6AX1.5M UTP6AX1.5MBL UTP6AX1.5MBU
UTP6AX1.5MGR UTP6AX1.5MGY UTP6AX1.5MOR UTP6AX1.5MRD UTP6AX1.5MVL UTP6AX1.5MYL
UTP6AX10BL UTP6AX10BU UTP6AX10GR UTP6AX10GY UTP6AX10MBL UTP6AX10MBU UTP6AX10MGR
UTP6AX10MGY UTP6AX10MOR UTP6AX10MRD UTP6AX10MVL UTP6AX10MYL UTP6AX10OR UTP6AX10RD
UTP6AX10VL UTP6AX10YL UTP6AX11 UTP6AX11BL UTP6AX11BU UTP6AX11GR UTP6AX11GY UTP6AX11M
UTP6AX11MBL UTP6AX11MBU UTP6AX11MGR UTP6AX11MGY UTP6AX11MOR UTP6AX11MRD
UTP6AX11MVL UTP6AX11MYL UTP6AX11OR UTP6AX11RD UTP6AX11VL UTP6AX11YL UTP6AX12
UTP6AX12BL UTP6AX12BU UTP6AX12GR UTP6AX12GY UTP6AX12M UTP6AX12MBL UTP6AX12MBU
UTP6AX12MGR UTP6AX12MGY UTP6AX12MOR UTP6AX12MRD UTP6AX12MVL UTP6AX12MYL UTP6AX12OR
UTP6AX12RD UTP6AX12VL UTP6AX12YL UTP6AX13 UTP6AX13BL UTP6AX13BU UTP6AX13GR
UTP6AX13GY UTP6AX13M UTP6AX13MBL UTP6AX13MBU UTP6AX13MGR UTP6AX13MGY UTP6AX13MOR
UTP6AX13MRD UTP6AX13MVL UTP6AX13MYL UTP6AX13OR UTP6AX13RD UTP6AX13VL UTP6AX13YL
UTP6AX14 UTP6AX14BL UTP6AX14BU UTP6AX14GR UTP6AX14GY UTP6AX14M UTP6AX14MBL
UTP6AX14MBU UTP6AX14MGR UTP6AX14MGY UTP6AX14MOR