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TX6A™ Category 6A Performance 28 AWG UTP Patch Cords

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A/Class E_A, UTP, small diameter patch cords shall be constructed of 28 AWG, unshielded, twisted pair, solid copper (dual-rated CM/LSZH) cable with high performance RJ45 modular plugs. Patch cords shall be offered in multiple lengths and colors for design flexibility.



TX6 PLUS UTP Patch Cords	
Foot lengths:	UTP28X*^
Meter lengths:	UTP28X**M^
Inch lengths:	UTP28X***IN^

*Feet lengths: 1 - 50 feet (every 1 foot)
55 - 130 feet (every 5 feet)

**Meter lengths: 0.5 - 10 meters (every 0.5 meters)
11 - 20 meters (every 1 meter)
15 - 40 meters (every 5 meters)

***Inch lengths: 6 and 8 inches

^Colors: other than Off White: BU (Blue), BL (Black), GR (Green), RD (Red), OR (Orange), YL (Yellow), GY (Gray), or VL (Violet)

◊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.

TECHNICAL INFORMATION

Category 6A/ Class E_A channel and component 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‡. Note: 28 AWG patch cords have attenuation de-rating value of 1.9. Supports 96 meter channels that include 90 meter permanent links. Supports 93 meter channels with 10 meters of patch cords included in the channel.
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
IEC compliance:	Meets IEC 60603-7
PoE compliance:	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
c(UL)us compliance:	UL 1863 and CAN/CSA-C22.2 (UL File E129886)
RoHS compliance:	Compliant
Plug house:	UL94V-0 rated clear Polycarbonate
Contacts:	Gold plated phosphor bronze; contacts plated with 50 microinches of gold for superior performance
Cable diameter:	0.185 in. (4.7mm) nominal
Operating temperature:	14°F-167°F (-10°C-75°C)
Installation temperature:	-40°F-158°F (-40°C-70°C)
Flammability rating:	CM/LSZH dual rated

KEY FEATURES AND BENEFITS

100% Performance tested for wire map, NEXT, and return loss:	Confidence that each patch cord delivers critical electrical component level performance Centered de-embedded plug performs in center of ANSI/TIA-568.2-D Category 6A component range, ensuring interoperability and optimum performance
Smaller diameter, flexible cable design:	Tight bend radius enables improves cable routing and management in high density applications. Smaller cable diameter allows twice the amount of cords to be routed through cable managers and pathways compared to traditional Category 6A patch cords. Reduced cable diameter improves air flow, cooling, resulting in lower operating costs than traditional Category 6A patch cords
Patented tangle-free latch:	Prevents snag time on frequent moves, adds, and changes
Integral pair manager:	Optimizes performance and consistency by reducing untwist at plug
Patented tangle-free latch:	Prevents snags and provides easy release, saving time on frequent moves, adds, and changes
Robust construction:	Plug contact plated with 50 microinches of gold and rated to 2500 mating cycle

PANDUIT RAPIDID enabled

TX6A™ Category 6A Performance 28 AWG UTP Patch Cords are pre-labeled with the *Rapid*ID™ 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.

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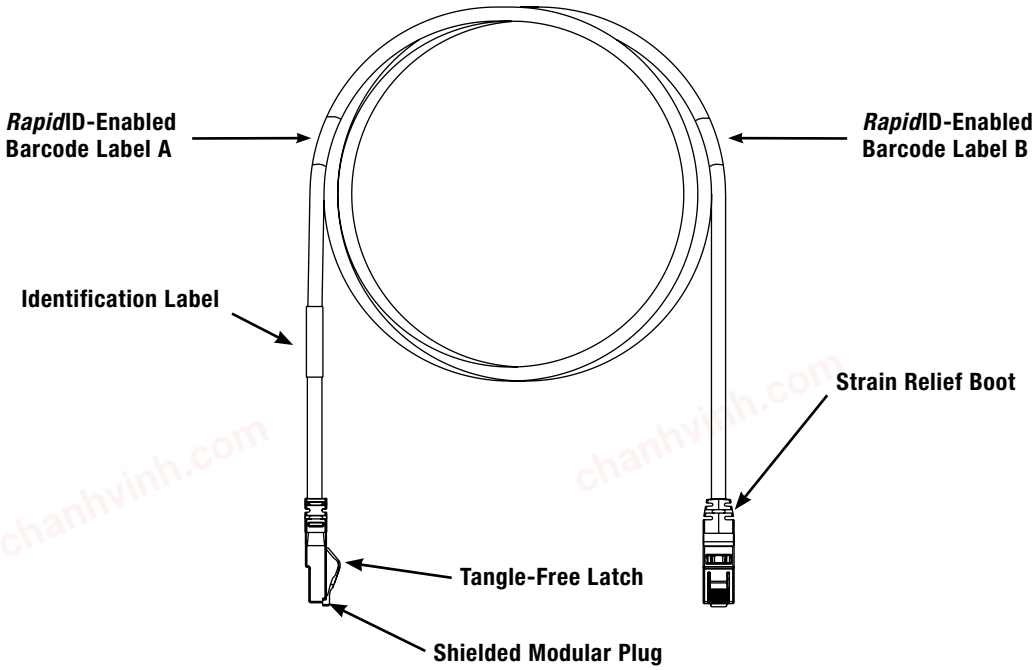
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APPLICATIONS

TX6A Category 6A Performance 28 AWG Patch Cords support the following applications:

- 10GBASE-T Ethernet
- Data center I/O Consolidation
- Data center server virtualization
- Backbone aggregation
- Parallel processing and high speed computing

ENGINEERING DRAWINGS





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

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