chanhvinh.com

# 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‡.<br>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<br>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.**

chanhvinh.com

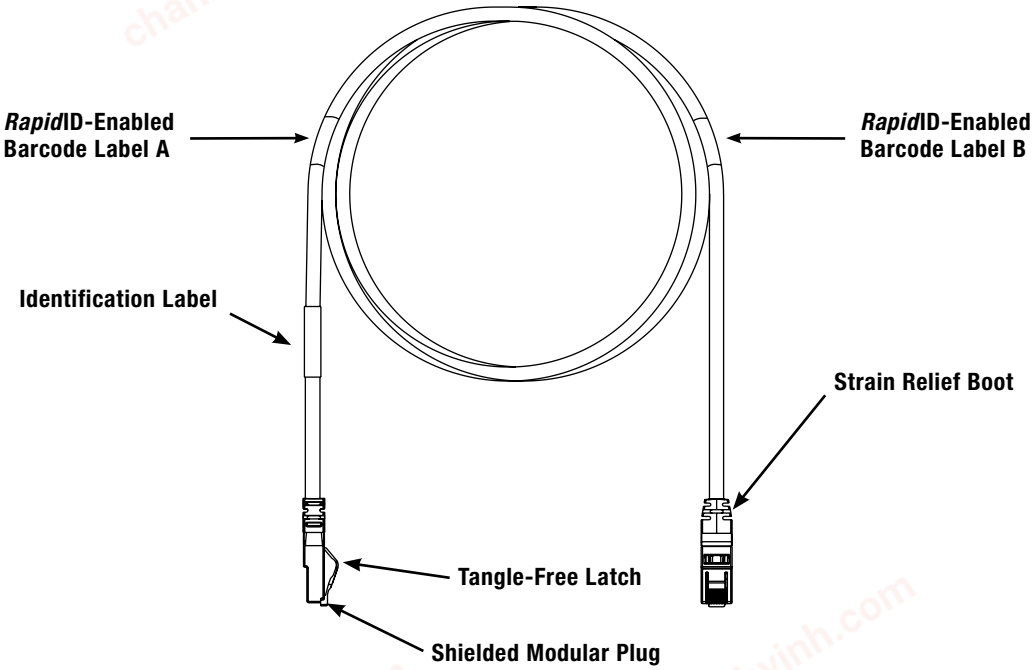
# TX6A™ Category 6A Performance 28 AWG UTP Patch Cords

## 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 |

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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**

©2024 Panduit Corp.
ALL RIGHTS RESERVED.
**COSP373-WW-ENG**
7/2024