

TX6AI™ Category 6A Performance 28 AWG Shielded Patch Cords

SPECIFICATIONS

Category 6A/Class EA, F/UTP, small diameter patch cords shall be constructed of 28 AWG, shielded, 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.



TECHNICAL INFORMATION

Category 6A/Class EA channel and component performance:	Exceeds all ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class EA Edition 2.1 electrical performance requirements for all frequencies from 1 to 500 MHz. Note: Panduit patch cords utilize 28 AWG conductors which do not meet the 22 to 26 AWG conductor size of patch cable referenced in ANSI/TIA-568-C.2, resulting in an increased 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 and IEC 60512-99-002
PoE compliance:	Meets IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4. Supports Power over HDBaseT up to 100 watts.
c(UL)us compliance:	UL 1863 and CAN/CSA-C22.2 (UL File E129886)
RoHS compliance:	Compliant
Cable diameter:	0.185 in. (4.7mm) nominal
Operating temperature:	14°F to 167°F (-10°C to 75°C)
Storage temperature:	-40°F to 158°F (-40°C to 70°C)
Plug housing:	UL94V-0 rated clear Polycarbonate
Contacts:	Gold plated phosphor bronze: contacts plated with 50 microinches of gold for superior performance
Flammability rating:	CM/LSZH (IEC 60332-1, 60754-2, and 61034-2) 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-C.2 Category 6A component range, ensuring interoperability and optimum performance.
Smaller diameter, flexible cable design:	Tight bend radius enables improved cable routing and management in high density applications. Smaller cable diameter allows about 70% more cords to be routed through cable managers and pathways compared to traditional Category 6A shielded patch cords. Reduced cable diameter facilitates improved air flow, cooling, resulting in lower operating costs than traditional Category 6A shielded patch cords.
Integral pair manager:	Immediate compatibility with the most common Mini-Com UTP and shielded jacks.
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 cycles.
Available plug lock-in devices (optional):	Plug lock-in and latch guard devices to prevent unauthorized or unintended removal of patch cords.

APPLICATIONS

Category 6A Performance 28 AWG Shielded 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

TX6A 10Gig Shielded Patch Cords

Meters: STP28X*M[^]

*Meter lengths: 0.2 meters
0.5 - 5 meters
(every 0.5 meters)
5 - 20 meters
(every 1 meter)
20 - 40 meters
(every 5 meters)

[^]Colors: BU (Blue), BL (Black), GR (Green), RD (Red), YL (Yellow) or VL (Violet), IG (International Gray)-



TX6A Category 6A Performance 28 AWG Shielded Patch Cords are pre-labeled with the RapidID™ Network Mapping System to enable faster tracing, placing, and network documentation.

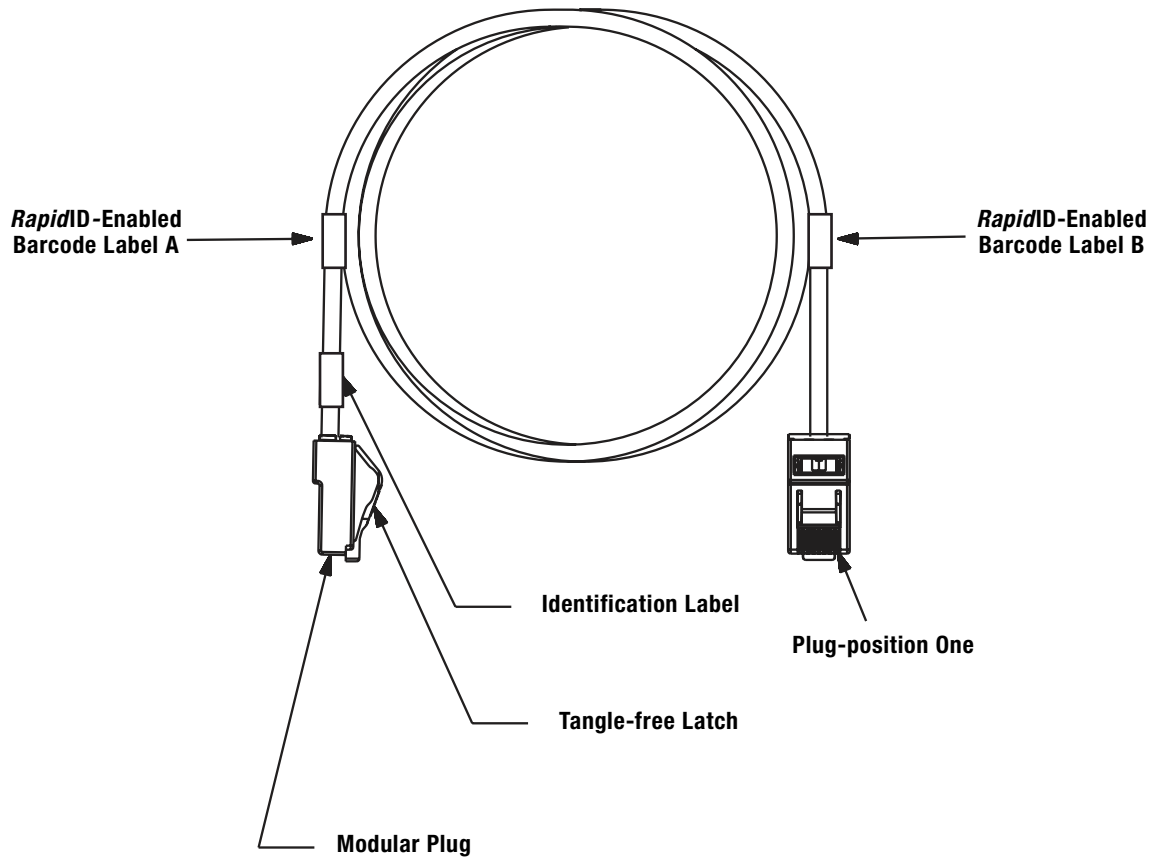
Learn more: www.panduit.com/rapid-id



All Part Numbers Compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to 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

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