TX6A-28™ Category 6A Performance 28 AWG Shielded Patch Cords

PANDUIT®

SPECIFICATION SHEET

specifications

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



technical information

Category 6A/ Class E_A channel and component performance:	Exceeds all ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E_A Edition 2.1 electrical performance requirements for all frequencies from 1 to 500 MHz Note: These 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.
Cable diameter:	0.185 in. (4.7mm) nominal
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 proposed 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications
Safety compliance:	cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886)
RoHS compliance:	Compliant
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

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
Category 6A Performance	Meets all Category 6A requirements (including alien crosstalk), with a cable diameter smaller than traditional Category 5e, 6 and 6A shielded patch cords
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
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
Identification label	Provides identification of performance level, length, and quality control number for traceability
Robust construction	Plug contact plated with 50 microinches of gold and rated to 2500 mating cycles
Variety of cable colors and lengths	Meets individual length and color-coding requirements for greater system flexibility
Available plug lock-in devices (optional)	Plug lock-in and latch guard devices to prevent unauthorized or unintended removal of patch cords

applications

TX6A-28™ 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

Category 6A 28 AWG Patch Cords

Meters:	STP28X*MIG^
0.2m:	STP28X0.2M^

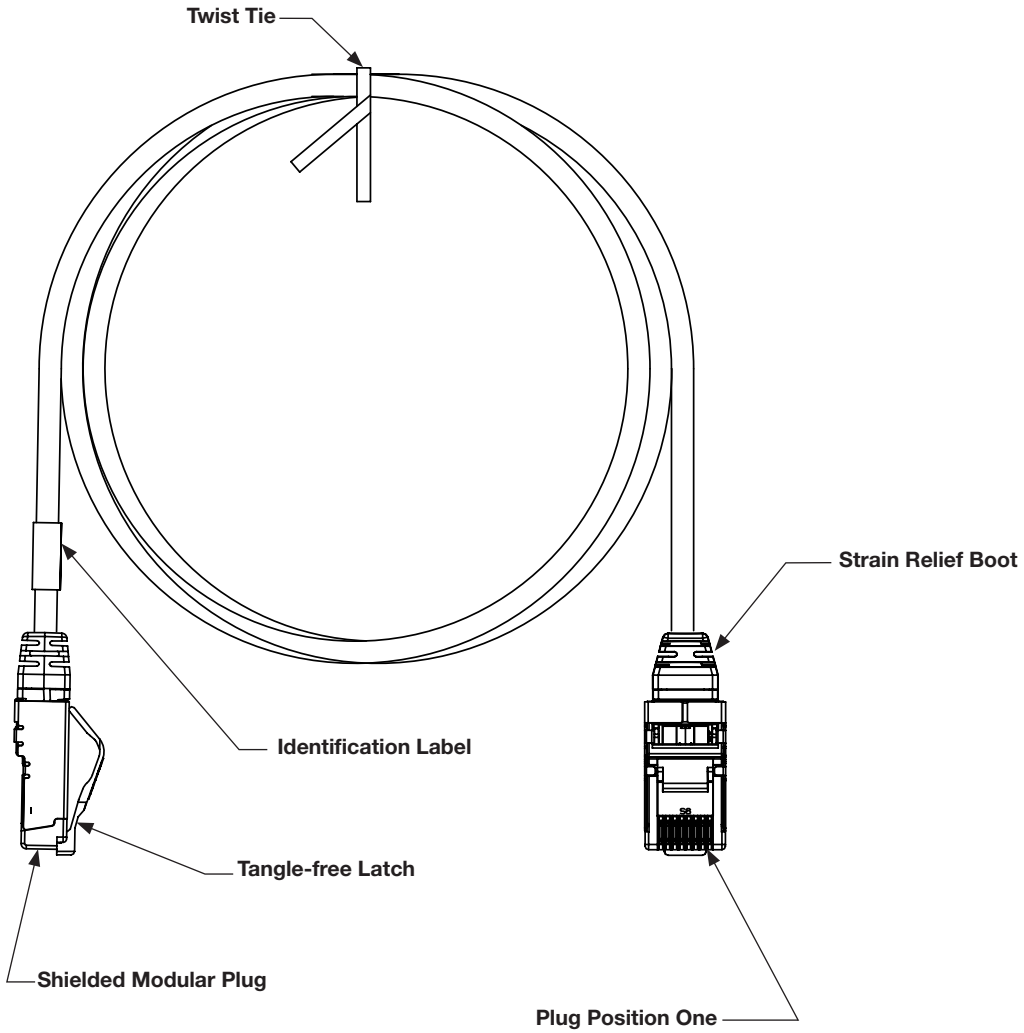
*Meter lengths: 0.5 – 10 meters (every 0.5m)
11 – 20 meters (every 1m)
25 – 40 meters (every 5m)

^For standard cable colors other than Int'l Gray, change IG suffix to: BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet).

For example, the part number for a 5 meter, blue patch cord is STP28X5MBU.

Category 6A Performance 28 AWG Shielded Patch Cords

Component Drawing of Patch Cord



Plug Position	Cable Wire
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown

Recycle at end of life

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