TX5e™ Category 5e Performance 28 AWG UTP Patch Cords

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 5e/Class D, UTP, small diameter patch cords shall be constructed of 28 AWG, unshielded, twisted pair, stranded 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



Category 5e 28 AWG Patch Cords	
Feet:	UTP28CH*^
Meters:	UTP28CH**M^

*Feet lengths: 1 - 10 feet (every 1 foot)
15 and 20 feet

**Meter lengths: 1 - 5 meters (every 1 meter)

^Colors other than Off White: BU (Blue), BL (Black), GR (Green), RD (Red), YL (Yellow), OR (Orange),GY (Gray), 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 5e/Class D channel and component performance:	Exceeds all ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D electrical performance requirements for frequencies up to 100 MHz◊ Note: Panduit 28 AWG patch cords have an 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
Cable diameter:	0.149 in. (3.8mm) 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 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 5e 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 twice the number of cords to be routed through cable managers and pathways compared to traditional Category 5e patch cords. Reduced cable diameter facilitates improved air flow, cooling, resulting in lower operating costs than traditional Category 5e 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
Flexible stranded cable:	U/UTP stranded 28 AWG copper cable with a nominal diameter of 0.149 in. (3.8mm) allows for high density installations and superior panel cable management

APPLICATIONS

Category 5e Performance 28 AWG UTP Patch Cords support the following applications:

- 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Voice/data systems
- Voice over Internet Protocol (VoIP)

PANDUIT RAPIDID enabled

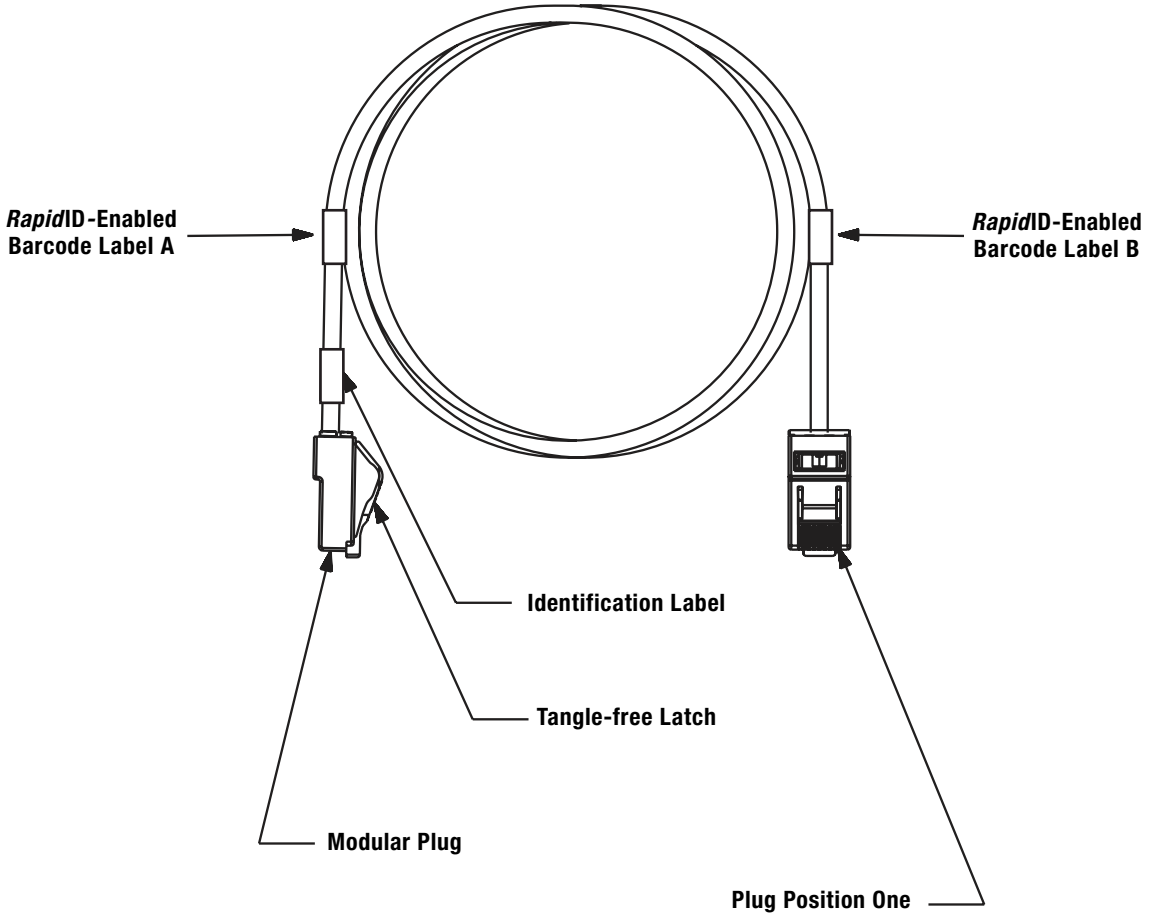
TX5e™ Category 5e Performance 28 AWG UTP Patch Cords are pre-labeled with the *Rapid*ID™ Network Mapping System to enable faster tracing, placing, and network documentation.
Learn more: www.panduit.com/rapid-id

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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ENGINEERING DRAWING





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

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