

TX6™ PLUS Category 6 Shielded Modular Plug

specifications

Category 6/Class E, 8-position, 8-wire, shielded modular plug shall terminate Panduit® 4-pair, 24-26 AWG, 100 Ohm, solid or stranded shielded twisted pair cable with maximum conductor insulation diameter of 0.040 in. (1.02mm) and maximum jacket diameter of 0.250 in. (6.35mm).



technical information

Category 6/Class E component performance:	Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to compatible Category 6 shielded copper cable
Cable jacket diameter range:	0.225 in. (5.72mm) - 0.250 in. (6.35mm)
Conductor insulation diameter range:	0.036 in. (0.91mm) - 0.040 in. (1.02mm)
Cable compatibility:	Compatible with shielded cables that meet the specified conductor insulation and jacket diameter
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68) IEC compliance: IEC-60603-7
PoE compliance:	Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W
RoHS compliance:	Compliant
Plug housing:	UL94V-0 rated clear Polycarbonate
Contacts:	Gold plated phosphor bronze
Operating temperature:	14°F to 140°F (-10°C to 60°C)
Storage temperature:	-40°F to 158°F (-40°C to 70°C)

key features and benefits

Patented tangle-free latch	Prevents snags and provides easy release, saving time and providing reliability on frequent moves, adds, and changes
Robust construction	Rated to 2500 mating cycles

applications

Category 6 plugs allow customers to meet performance requirements in ISO 11801 Class E, IEEE 802.3an-2006 and ANSI/TIA-568.2-D Category 6 standards to support transmission at speeds up to and including 1GBASE-T.

These plugs can be used in applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation of Gigabit Ethernet channels, real-time intensive financial transactions, streaming video, animation, scientific modeling, and medical imaging.

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100/pack: SPS688-C

Tools and Accessories

Termination Tool: CSPT

Crimp Tool: MPT5-8AS

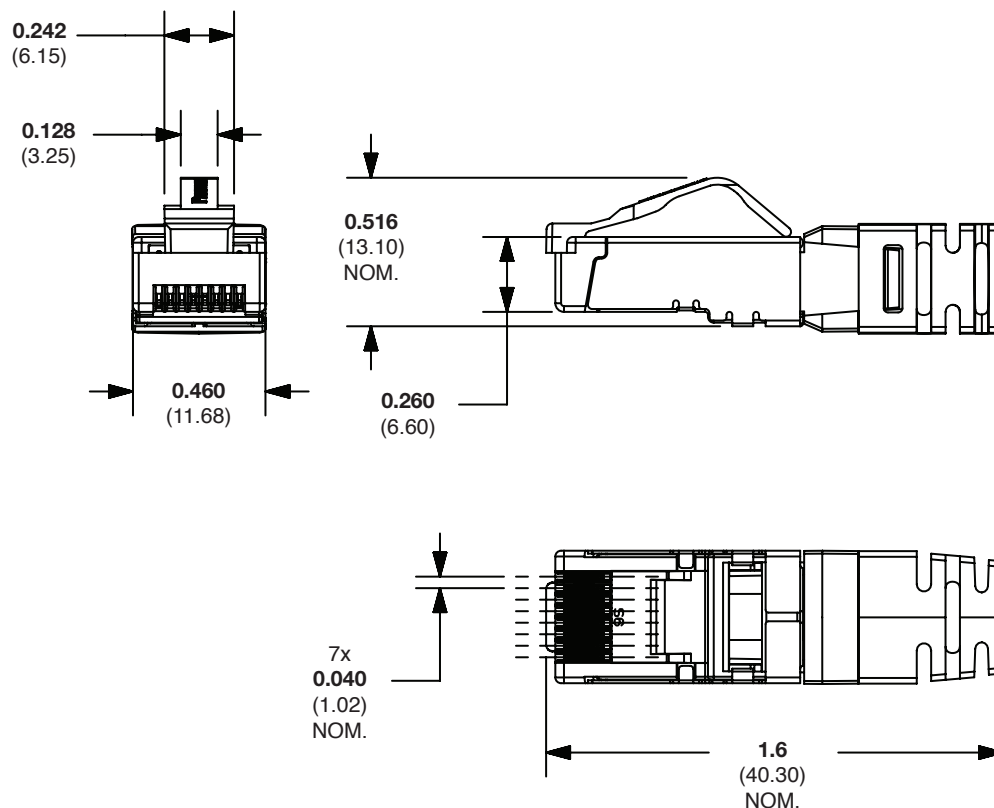
Wire Prep Tool: WPT-8

RJ45 plug lock-in device (standard): PSL-DCPLX^

RJ45 plug lock-in device (recessed): PSL-DCPLRX^

^To designate colors other than Red, add suffix -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), IW (Int'l White), or -IG (Int'l Gray) to the end of the part number. 10/package. Add -C for bulk packages of 100.

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Dimensions are in inches. (Dimensions in parenthesis are metric).

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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Phone: 800.777.3300

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London, UK
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10/2020