TX6A™ Category 6A Shielded Modular Plug

specifications

Category 6A/Class E_A, 8-position, 8-wire, shielded modular plug shall terminate Panduit 4-pair, 23-24 AWG, 100 ohm, solid or stranded shielded twisted pair cable with maximum conductor insulation diameter of 0.047 in. (1.19mm) and maximum jacket diameter of 0.300 in. (7.62mm).

technical information

Category 6A/Class E_A component performance:	Exceeds ANSI/TIA Category 6A and ISO Class E_A performance requirements when properly terminated to Panduit Category 6A F/UTP copper cable
Cable jacket diameter range:	0.275 (6.99mm) – 0.300 in. (7.62mm)
Cable compatibility:	Compatible with Panduit® TX6A™ F/UTP Horizontal Copper Cable (PFL6X04**, PFP6X04** and PFR6X04**) ‡
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
Conductor insulation diameter range:	0.042 (1.07mm) – 0.047 in. (1.19mm)
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 6A plugs allow customers to meet performance requirements in ISO 11801 Class EA, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6A standards to support transmission at speeds up to and including 10GBASE-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:	SPS6X88-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^

^For 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.

** For cable colors, replace** with: WH (White) or BU (Blue).

‡ Other shielded cables which meet the dimensional requirements may work and must be evaulated by the user. Not for use with PUFL6X04**, PUFP6X04**, PUFR6X04**, or PSL7004** cables.

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0.242
[6.15]

0.128
[3.25]

0.516
[13.10]
NOM.

0.460
[11.68]

0.260
[6.60]

7x
0.040
[1.02]
NOM.

1.6
[40.30]
NOM.
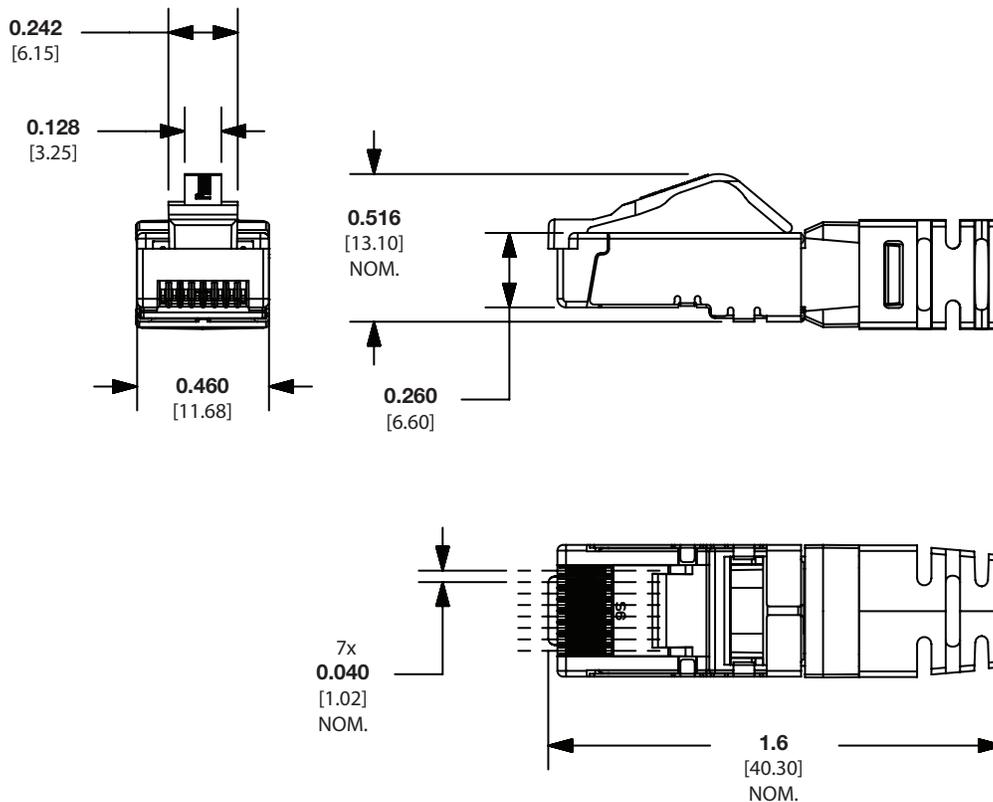
Dimensions are in inches. [Dimensions in brackets are metric].

For more information

Visit us at www.panduit.com

**Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300**

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