

PanPlug® TX6A™ 23-24 AWG STP Modular Plug

PANDUIT
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A/Class E_A, 8-position, 8-wire, shielded modular plug shall terminate 4-pair, 23-24 AWG, 100 ohm, solid or stranded shielded twisted pair cable with maximum conductor insulation diameter of 0.047 inches. (1.19mm) and maximum jacket diameter of 0.300 inches. (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 Category 6A F/UTP copper cable
IP compliance:	Bulkhead connection rated IP65/IP67 for dust protection and temporary liquid immersion
IEC compliance:	IEC-60603-7I
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
Cable jacket diameter range:	0.275 in.- 0.300 in. (6.99mm-7.62mm)
Conductor insulation diameter range:	0.036 in. - 0.040 in. (1.02mm - 0.91mm)
Plug housing:	UL94V-0-rated clear Polycarbonate
Contacts:	Gold-plated phosphor bronze
Operating temperature:	14°F-140°F (-10°C-60°C)
Storage temperature:	40°F-158°F (-40°C-70°C)

KEY FEATURES AND BENEFITS

Patented tangle-free latch:	Prevents snags and provides easy release, saving time and giving 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 E_A, 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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Bulk package of 100 pcs: SPS6X88-C

Tools and Accessories

Termination Tool:	CSPT
Crimp Tool:	MPT5-8AS
Standard RJ45 plug lock-in device (Red):	PSL-DCPLE^+
Recessed RJ45 plug lock-in device (Red):	PSL-DCPLRE^+

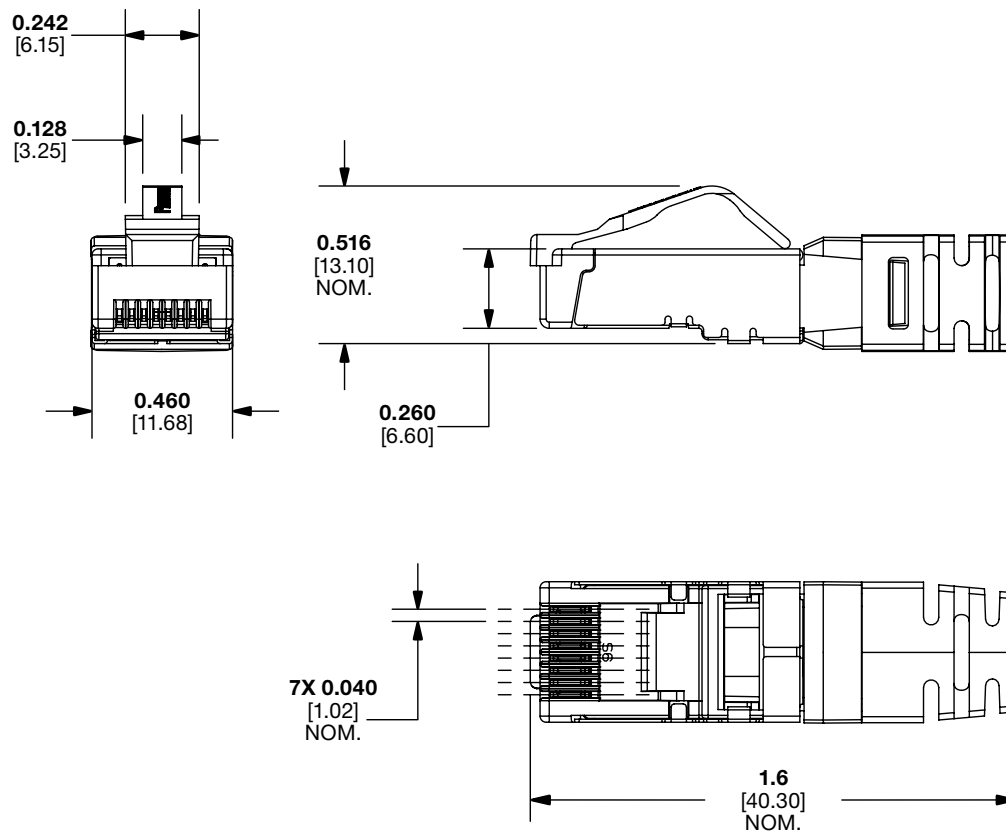
^Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), -IW (International White), or -IG (International Gray)
+Add -C to indicate bulk packages of 100 to reduce single-use plastic



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 DRAWINGS



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