PanPlug® TX6A™ 23-24 AWG UTP Modular Plug for Solid Cable

SPECIFICATIONS

Category 6A/Class E$_A$, 8-position, 8-wire, UTP modular plug shall terminate 4-pair, 23-24 AWG, 100 ohms, solid unshielded twisted pair patch cable with maximum conductor insulation diameter of 0.048 inches (1.22mm) and maximum jacket diameter of 0.310 inches (7.87mm).

TECHNICAL INFORMATION

Category 6/Class E component performance:	Exceeds ANSI/TIA Category 6A and ISO Class EA performance requirements when properly terminated to Panduit Category 6A UTP patch cable
IP compliance:	Bulkhead connection rated IP65/IP67 for dust protection and temporary liquid immersion
IEC compliance:	IEC-60603-7
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
PoE compliance:	Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W
RoHS compliance:	Compliant
Conductor termination:	Compatible with TX6A 10Gig UTP Horizontal Copper Cable
Cable jacket diameter range:	0.26 in. - 0.31 in. (6.60mm - 7.87mm)
Conductor insulation diameter range:	0.040 in. - 0.048 in. (1.02mm - 1.22mm)
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 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 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.

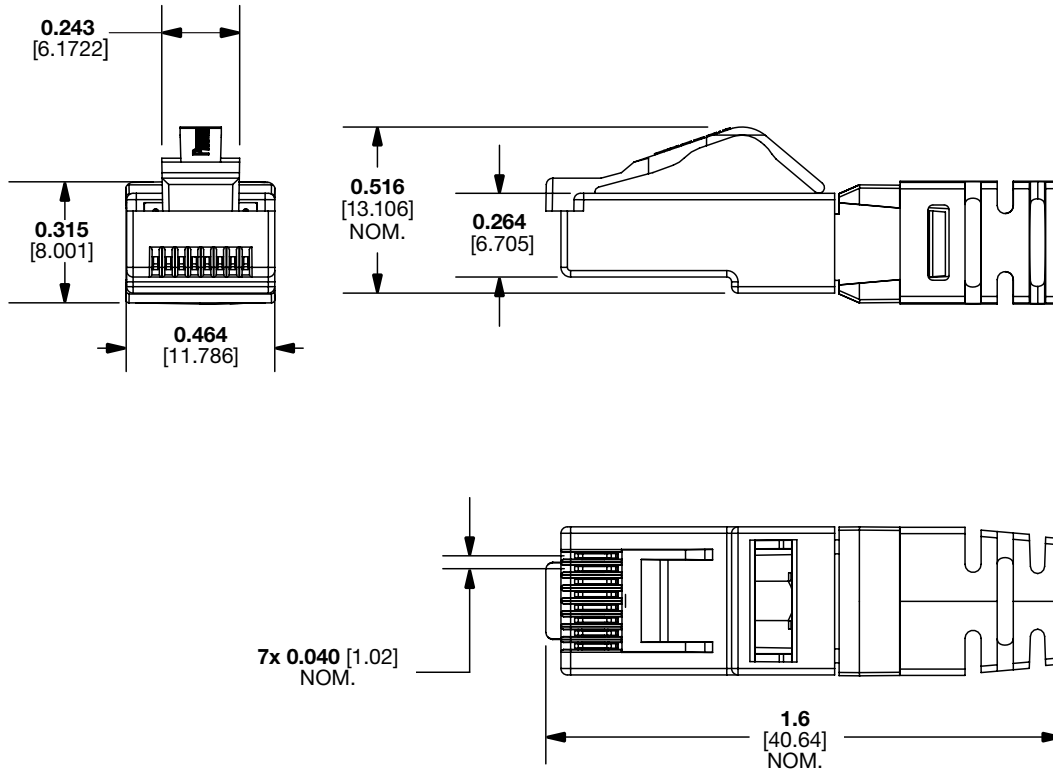| **TX6A 234 AWG UTP Modular Plug**	
Bulk package of 100 pcs:	SP6X88-C
Tools and Accessories	
Termination Tool:	CSPT
Crimp Tool:	MPT5-8AS
Standard RJ45 plug lock-in device (Red):	PSL-DCPLE^+
Recessed RJ45 plug lock-in device (Red)::	PSL-DCPLRE^+

^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

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 DRAWINGS

0.243
[6.1722]

0.315
[8.001]

0.464
[11.786]

0.516
[13.106]
NOM.

0.264
[6.705]

7x 0.040 [1.02]
NOM.

1.6
[40.64]
NOM.

Dimensions are in inches. [Dimensions in brackets are metric].

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