

# PanPlug® TX6A™ 23-24 AWG STP Modular Plug

**PANDUIT®**  
SPECIFICATION SHEET

## SPECIFICATIONS

Category 6A/Class E<sub>A</sub>, 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

<b>Category 6A/Class E<sub>A</sub> component performance:</b>	Exceeds ANSI/TIA Category 6A and ISO Class E <sub>A</sub> performance requirements when properly terminated to Category 6A F/UTP copper cable
<b>IP compliance:</b>	Bulkhead connection rated IP65/IP67 for dust protection and temporary liquid immersion
<b>IEC compliance:</b>	IEC-60603-7I
<b>FCC and ANSI compliance:</b>	Meets ANSI/TIA-1096-A (formerly FCC Part 68) IEC compliance: IEC-60603-7
<b>PoE compliance:</b>	Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W
<b>RoHS compliance:</b>	Compliant
<b>Cable jacket diameter range:</b>	0.275 in.- 0.300 in. (6.99mm-7.62mm)
<b>Conductor insulation diameter range:</b>	0.036 in. - 0.040 in. (1.02mm - 0.91mm)
<b>Plug housing:</b>	UL94V-0-rated clear Polycarbonate
<b>Contacts:</b>	Gold-plated phosphor bronze
<b>Operating temperature:</b>	14°F-140°F (-10°C-60°C)
<b>Storage temperature:</b>	40°F-158°F (-40°C-70°C)

## KEY FEATURES AND BENEFITS

<b>Patented tangle-free latch:</b>	Prevents snags and provides easy release, saving time and giving reliability on frequent moves, adds, and changes
<b>Robust construction:</b>	Rated to 2500 mating cycles

## APPLICATIONS

Category 6A plugs allow customers to meet performance requirements in ISO 11801 Class E<sub>A</sub>, 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.

## PanPlug TX6A 23-24 AWG STP Modular Plug

**Bulk package of 100 pcs:** SPS6X88-C

### Tools and Accessories

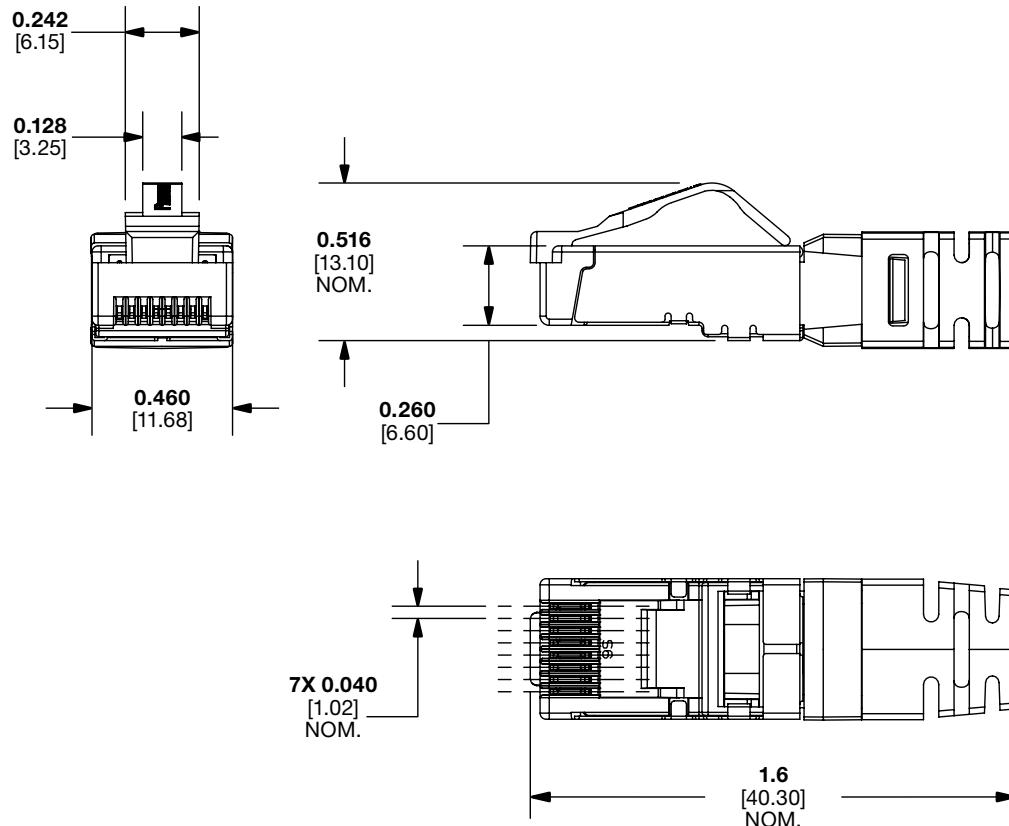
<b>Termination Tool:</b>	CSPT
<b>Crimp Tool:</b>	MPT5-8AS
<b>Standard RJ45 plug lock-in device (Red):</b>	PSL-DCPLE^+
<b>Recessed RJ45 plug lock-in device (Red):</b>	PSL-DCPLRE^+

<sup>^</sup>Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), -IW (International White), or -IG (International Gray)

<sup>+</sup>Add -C to indicate bulk packages of 100 to reduce single-use plastic

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## ENGINEERING DRAWINGS



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7/2024

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