PanPlug® TX6™ PLUS 24-26 AWG STP Modular Plug

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

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

TECHNICAL INFORMATION

Category 6/Class E component performance:	Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when adequately terminated to compatible Category 6 shielded copper 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
Cable compatibility:	Compatible with shielded cables that meet the specified conductor insulation and jacket diameter
Cable jacket diameter range:	0.225 in.-0.250 in. (5.72mm-6.35mm)
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 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 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, and scientific.

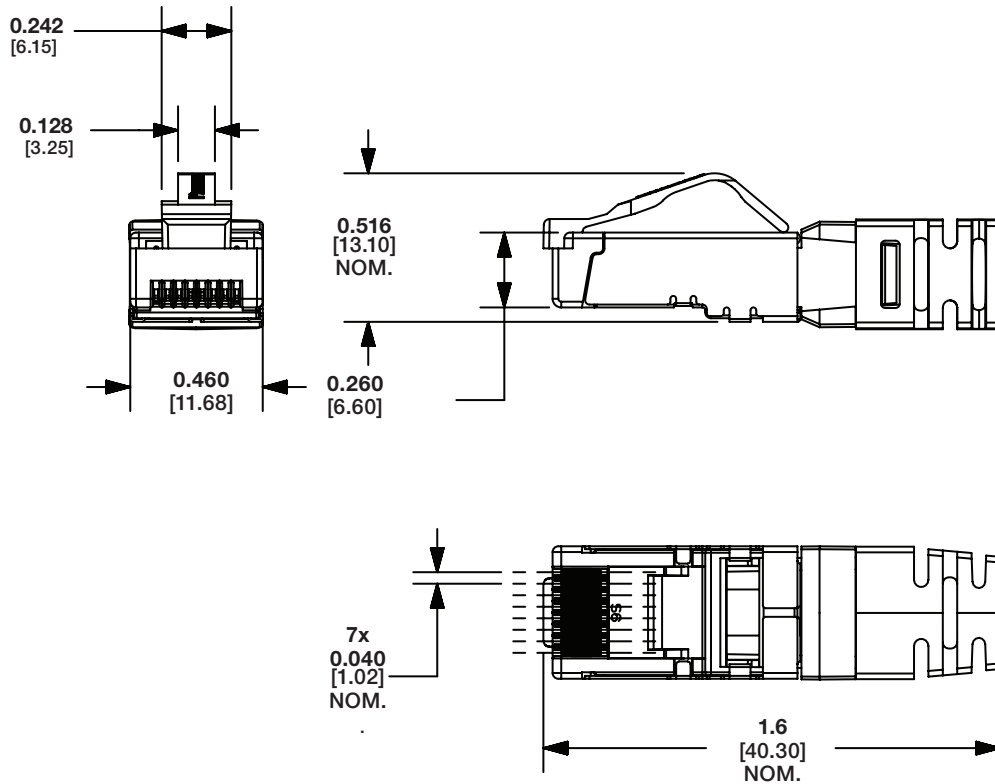| **TX6 PLUS 24-26 AWG STP Modular Plug**	
Bulk package of 100 pcs:	SPS688-C
Tools and Accessories	
Termination Tool:	CSPT
Crimp Tool:	MPT5-8AS
Standard RJ45 plug lock-in device (Red):	PSL-DCPLE^
Recessed RJ45 plug lock-in device (Red)::	PSL-DCPLRE^

^Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), IW (Int'l White), or -IG (International Gray

-C indicates bulk packages of 100 to reduce single-use plastic

TAA Compliant

All Part Numbers Compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to the United States.

ENGINEERING DRAWINGS

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].

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®