TX6™ PLUS Category 6 UTP 3-Piece Modular Plug

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6/Class E, 8-position, 8-wire, UTP 3-piece modular plug shall terminate 4-pair, 23–24 AWG, 100 ohm, solid or stranded unshielded twisted pair patch cable with maximum conductor insulation diameter of 0.042 inch (1.07mm) and maximum jacket diameter of 0.250 inch (6.35mm).

TECHNICAL INFORMATION

Category 6/Class E performance:	Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to Category 6 UTP copper cable
Cable jacket diameter range, in. (mm):	0.225-0.250 (5.72-6.35)
Conductor insulation diameter range, in. (mm):	0.036-0.042 (0.91-1.07)
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 100W
Safety compliance:	cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886)
RoHS compliance:	Compliant
Conductor termination:	Compatible with 23-24 AWG solid or stranded Category 6 UTP patch cable
Plug housing:	UL94V-0 rated clear polycarbonate
Contacts:	Gold plated phosphor bronze
Operating temperature:	14°F to 140°F (-15°C to 60°C)
Storage temperature:	-40°F to 158°F (-40°C to 70°C)

KEY FEATURES AND BENEFITS

Three-piece design:	Speeds and simplifies terminating plug onto cable
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 6 plugs allow customers to meet performance requirements in ISO 11801 Class E, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6 standards to support transmission at speeds up to and including 1000BASE-T.

These plugs can be used in applications such as high performance workstations, 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Token Ring 4/16, digital video and broadband/baseband analog video, and Voice over IP.

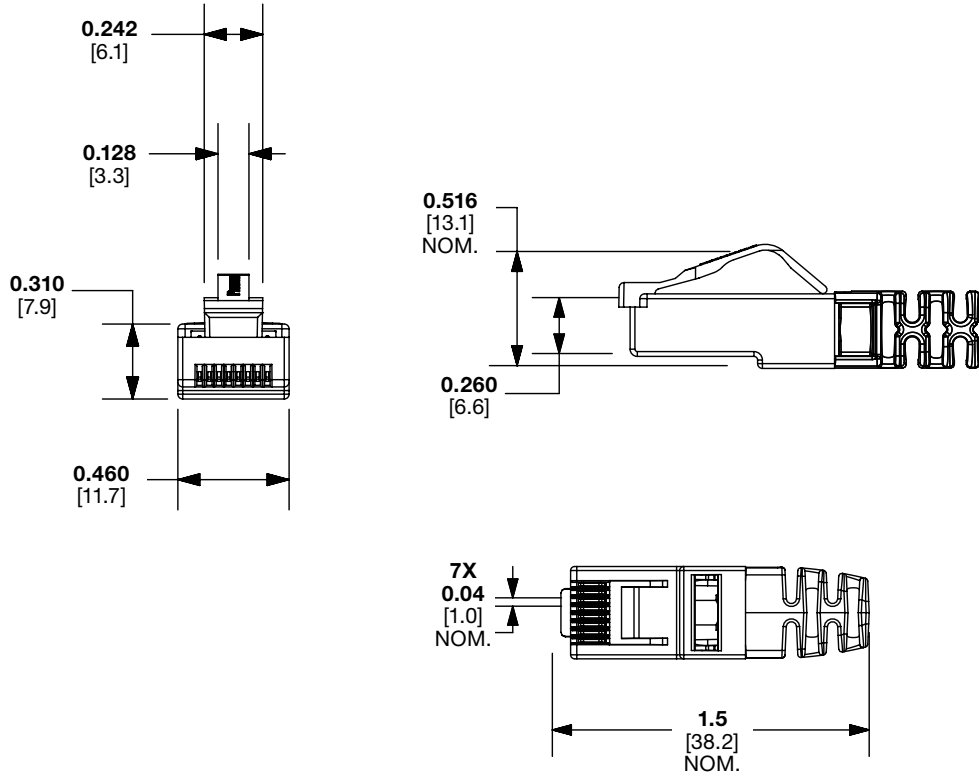| Category 6 UTP Modular Plug	
Bulk pack (100 pieces):	SP688E-C
Tools and Accessories	
Termination tool:	CSPT
Crimp tool:	MPT5-8AS
RJ45 plug lock-in device (standard):	PSL-DCPLE**+
RJ45 plug lock-in device (recessed):	PSL-DCPLRE**+

**Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), –OR (Orange), IW (International White), or -IG (International Gray)
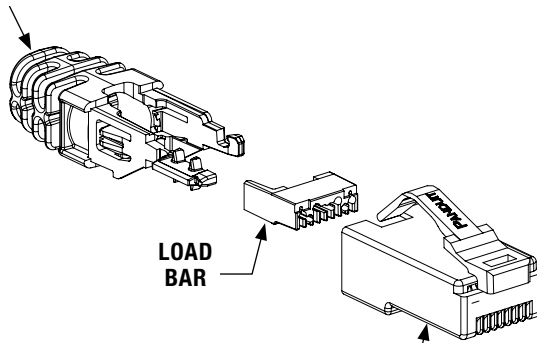+Add -X for packages of 10 or -C for packages of 100 packages of 100.)

TAA Compliant

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

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ENGINEERING DRAWINGS

0.242
[6.1]

0.128
[3.3]

0.310
[7.9]

0.460
[11.7]

0.516
[13.1]
NOM.

0.260
[6.6]

7X
0.04
[1.0]
NOM.

1.5
[38.2]
NOM.

**STRAIN COLLAR WITH INTEGRAL
BOOT & CONDUCTOR DIVIDER**

**LOAD
BAR**

**PLUG HOUSING
WITH CONTACTS**

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

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

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

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