TX6™ PLUS Category 6 UTP 3-Piece Modular Plug

PANDUIT®

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" (1.07mm) and maximum jacket diameter of 0.250" (6.35mm).

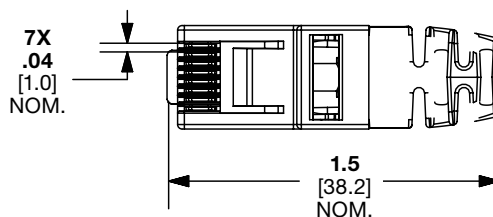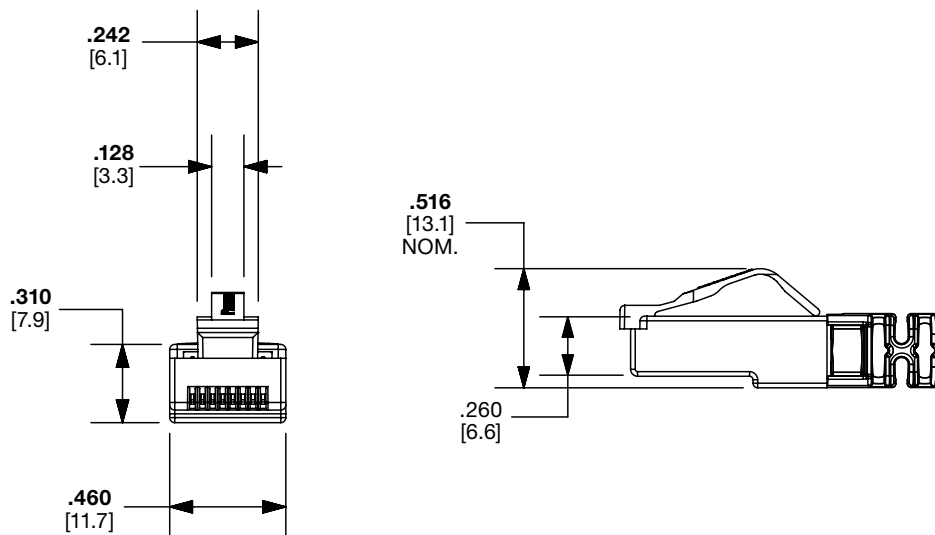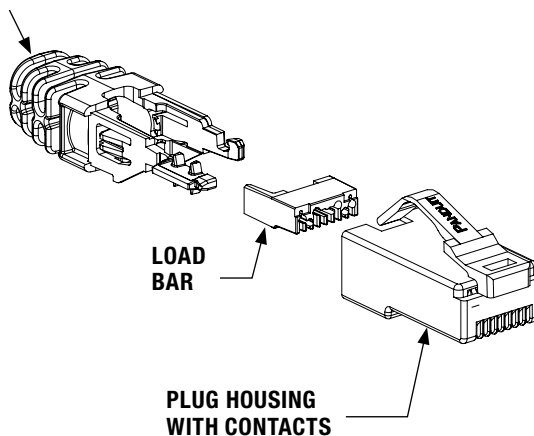| Category 6 UTP Modular Plug	
100/pack:	SP688E-C
Tools and Accessories	
Termination tool:	CSPT
Crimp tool:	MPT5-8AS
RJ45 plug lock-in device (standard):	PSL-DCPLE**
RJ45 plug lock-in device (recessed):	PSL-DCPLRE**

technical information

Category 6/Class E component 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:	0.225"-0.250" (5.72mm-6.35mm)
Conductor insulation diameter range:	0.036"-0.042" (0.91mm-1.07mm)
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.

modular plug dimensions

.242 [6.1]

.128 [3.3]

.310 [7.9]

.460 [11.7]

.516 [13.1] NOM.

.260 [6.6]

7X .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].

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