TX6A™ Category 6A UTP Field Term RJ45 Plug

PANDUIT®

SPECIFICATION SHEET

specifications

The TX6A™ Category 6A UTP Field Term RJ45 Plug is a simple-to-attach plug for field termination of 4-pair unshielded twisted pair cable. Providing Category 6A performance the TX6A™ plug is also compatible with Category 6 and 5e systems. The two-piece straight and up/down angled TX6A™ plug terminates 4-pair, 22 - 26 AWG, 100 ohm unshielded twisted pair cable and uses proven TG-style forward motion termination technology to optimize performance by maintaining cable pair geometry while eliminating conductor untwist.

applications

The simple-to-attach TX6A™ Field-Term Plug is ideal for connecting the increasing number of network-powered devices requiring a plug connection to the network and where field attachment of the plug to UTP cable is desired. Typical applications include:

- Wireless access points (WAPs)
- Power over Ethernet (PoE) LED lighting
- IP security cameras and motion sensors
- Building access control points
- Network-attached Audio/Video equipment
- Other PoE or HDBASE-T powered network devices

technical information

Category 6A/Class E_A performance:	Exceeds ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E_A Channel performance requirements with up to two field term plugs in channel. Meets or exceeds proposed TIA Modular Plug Terminated Link requirements with up to two field term plugs in link
Cable compatibility:	Compatible with 4-pair, 22–26 AWG solid or stranded unshielded twisted pair cable with conductor insulation diameters of 0.060 in. maximum and overall cable O.D. 0.200 in. to 0.330 in
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
IEC compliance:	IEC 60603-7, IEC 60529 (IP 20)
RoHS compliance:	Compliant
PoE & PoH compliance:	Supports IEEE 802.3af / 802.3at (PoE/PoE+) and 802.3bt type 3 and type 4 (PoE++) applications. Supports Power over HDBaseT up to 100 watts.
Plug mating cycles:	Rated to 2500 mating cycles
UL rated:	UL 1863 (Use as communications circuit accessory) UL 2043 (Suitable for use in air-handling spaces)
Operating temperature:	-40°C to +75°C (-40°F to +167°F)
Storage temperature:	-40°C to +75°C (-40°F to +167°F)
Required installation tools:	EGPT = Angled & Straight field term plug EGJT-1 = Straight only field term plug

key features and benefits

Simple two-piece assembly	Field friendly, easier to handle during field installation, saving time and reducing termination error
45° up/down angled version	Angled version allows improved cable routing in tight spaces
Slim plug profile	Easily fits in tight port spaces or high-density port configurations
22-26 AWG termination capable	Works with all commonly used solid and stranded UTP cabling
TG-style termination technology	Proven electrical performance and quick installation speed from the same forward-motion termination technology used in Panduit's Mini-Com TG modular jacks
Category 6A, 6, and 5e compatibility	High performance capability and wide cable size range enable a single plug for all common UTP cabling systems
Re-termination	Ability to re-terminate up to 20 times with no additional parts, providing convenience and cost-savings in cases when plug must be re-terminated to cable
Compact termination tools	EGPT is a fold-able, lightweight tool which terminates the straight and angled field term plugs. EGJT-1 is a fold-able, lightweight tool which terminates the straight field term plug

TX6A™ UTP Field Term Plug

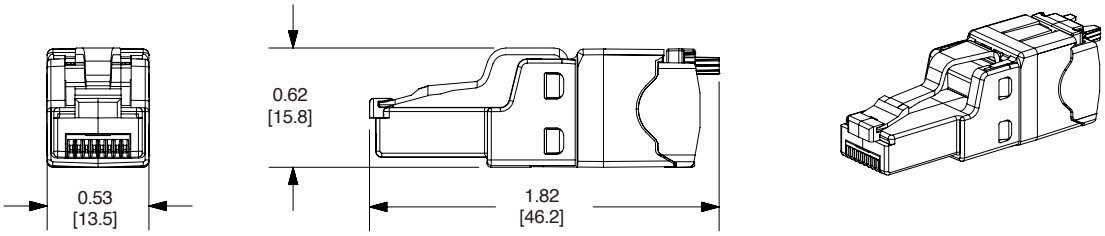
Field Term Plug (straight):	FP6X88MTG
Field Term Plug 10 pk (straight):	FP6X88MTG-X
Field Term Plug (up/down angled):	FPUD6X88MTG
Field Term Plug 10 pk (up/down angled):	FPUD6X88MTG-X

Tools and Accessories

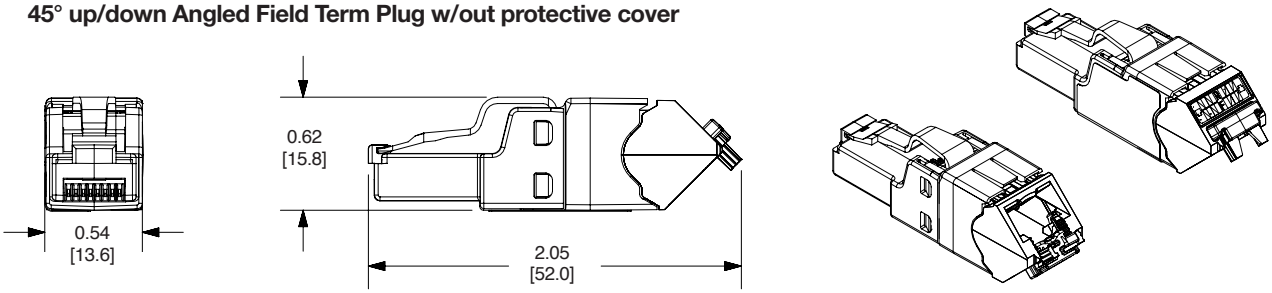
Termination Tool: Works with the straight and angled Field Term Plug:	EGPT
Works with the straight Field Term Plug:	EGJT-1
Wire Stripping Tool:	CJAST
Wire Snipping Tool:	CWST
Optional Test Cord:	FP6X88TC
Angled field term plug wire caps, 10 pk:	CPUDCAPBL-X
Straight field term plug wire caps, 10 pk:	CPCAPBL-X

Dimensions

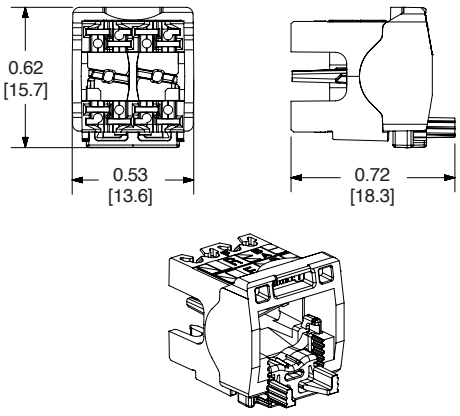
Straight Field Term Plug w/out protective cover



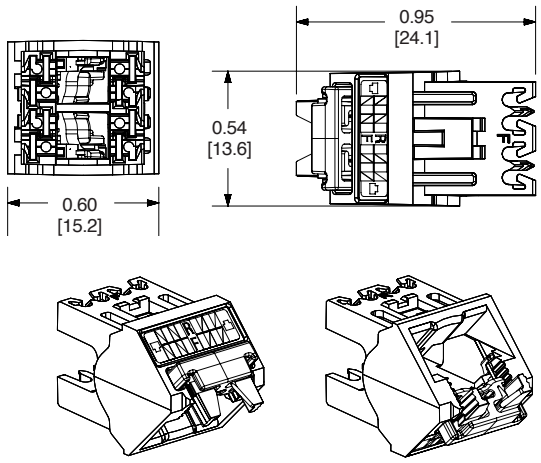
45° up/down Angled Field Term Plug w/out protective cover



Straight Wire Cap Assembly



45° Angled Up/Down Wire Cap Assembly



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

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