

TX6A™ Category 6A UTP Field Term RJ45 Plug

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 AWG - 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.



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 AWG - 26 AWG solid or stranded unshielded twisted pair cable with conductor insulation diameters of 0.06 in. (1.5mm) maximum and overall cable O.D. 0.2 in. - 0.33 in. (5.1mm - 8.4mm)
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)
Required installation tools:	EGPT = Angled & Straight field term plug EGJT-1 = Straight only field term plug
Operating temperature:	-40°F to +167°F (-40°C to +75°C)
Storage temperature:	-40°F to +167°F (-40°C to +75°C)

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
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 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

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:	FPS6X88TC



All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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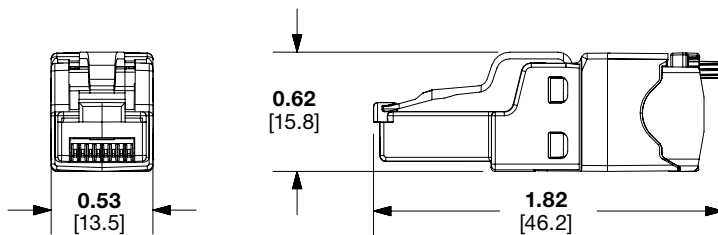
APPLICATIONS

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:

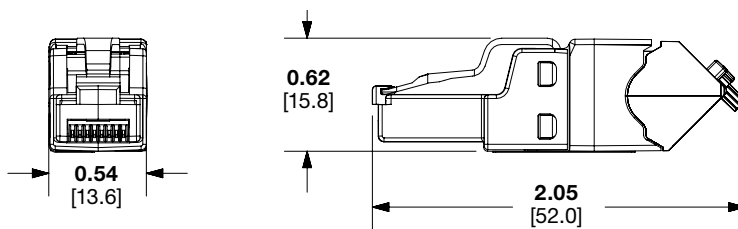
- Wireless access points (WAPs)
- Power over Ethernet (PoE) LED lighting
- IP security cameras and motion sensors
- Building access control points
- Network-attached Audio/Video equipment
- Other PoE or HDBASE-T powered network devices

ENGINEERING DRAWINGS

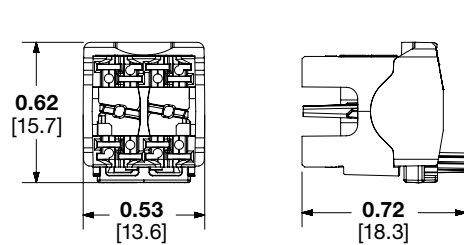
Straight Field Term Plug without protective cover



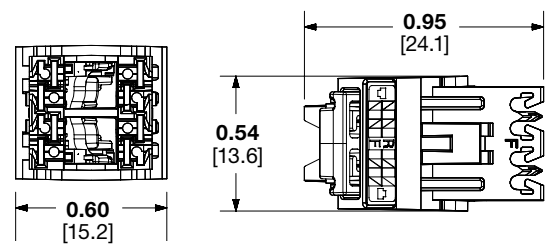
45° up/down Angled Field Term Plug without protective cover



Straight Wire Cap Assembly



45° Angled Up/Down Wire Cap Assembly



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

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