

# 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 - 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

<b>Category 6A/Class E<sub>A</sub> performance:</b>	Exceeds ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E <sub>A</sub> 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
<b>Cable compatibility:</b>	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
<b>FCC and ANSI compliance:</b>	Meets ANSI/TIA-1096-A (formerly FCC Part 68)
<b>IEC compliance:</b>	IEC 60603-7, IEC 60529 (IP 20)
<b>RoHS compliance:</b>	Compliant
<b>PoE &amp; PoH compliance:</b>	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.
<b>Plug mating cycles:</b>	Rated to 2500 mating cycles
<b>UL rated:</b>	UL 1863 (Use as communications circuit accessory) UL 2043 (Suitable for use in air-handling spaces)
<b>Operating temperature:</b>	-40°C to +75°C (-40°F to +167°F)
<b>Storage temperature:</b>	-40°C to +75°C (-40°F to +167°F)
<b>Required installation tools:</b>	EGPT = Angled & Straight field term plug EGJT-1 = Straight only field term plug

## key features and benefits

<b>Simple two-piece assembly</b>	Field friendly, easier to handle during field installation, saving time and reducing termination error
<b>45° up/down angled version</b>	Angled version allows improved cable routing in tight spaces
<b>Slim plug profile</b>	Easily fits in tight port spaces or high-density port configurations
<b>22-26 AWG termination capable</b>	Works with all commonly used solid and stranded UTP cabling
<b>TG-style termination technology</b>	Proven electrical performance and quick installation speed from the same forward-motion termination technology used in Panduit's Mini-Com TG modular jacks
<b>Category 6A, 6, and 5e compatibility</b>	High performance capability and wide cable size range enable a single plug for all common UTP cabling systems
<b>Re-termination</b>	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
<b>Compact termination tools</b>	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

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

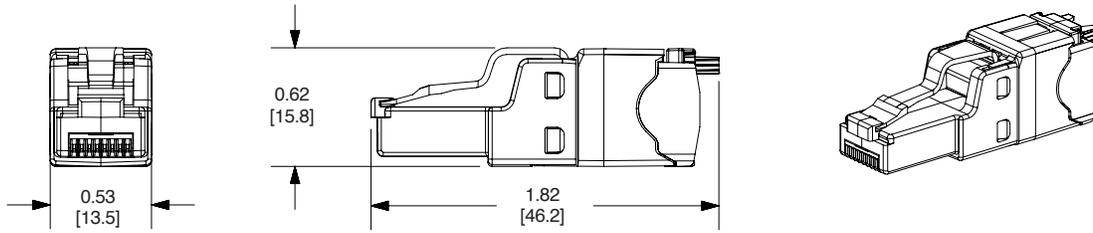
## Tools and Accessories

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

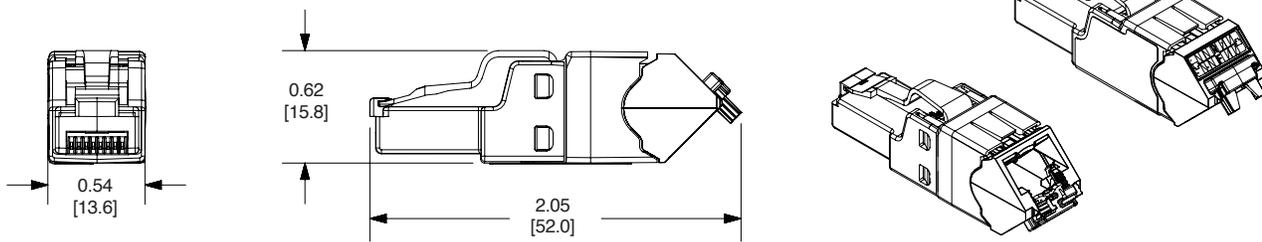
# TX6A™ Category 6A UTP Field Term RJ45 Plug

## Dimensions

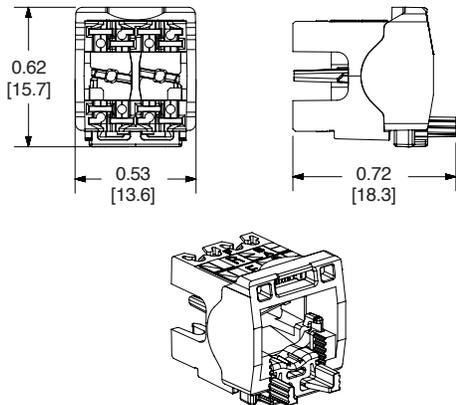
**Straight Field Term Plug w/out protective cover**



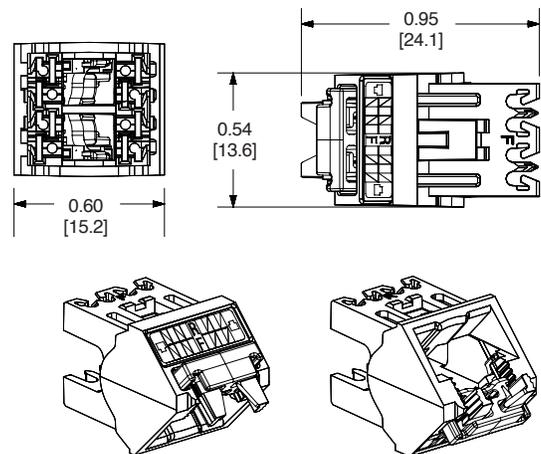
**45° up/down Angled Field Term Plug w/out protective cover**



**Straight Wire Cap Assembly**



**45° Angled Up/Down Wire Cap Assembly**



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

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