

TX6A™ Category 6A UTP FieldCord™ Connectors

PANDUIT®

SPECIFICATION SHEET

specifications

The TX6A™ UTP FieldCord™ Connector shall be a simple connection solution for nearly any RJ45 plug-attached network device. The FieldCord™ Connector shall combine a novel field-mateable splice, the industry's smallest diameter Category 6A UTP twisted pair 23 AWG cable, and an ultra-compact RJ45 plug in one assembly. The FieldCord™ Connector shall enable connection to devices with the smallest port spaces and most confined cable routing paths. The TX6A™ FieldCord™ Connector shall provide Category 6A performance and shall be compatible with Category 6 and 5e UTP systems.



applications

The TX6A™ UTP FieldCord™ Connector is ideal for connecting network devices requiring a plug connection to the network and where the plug port area and/or the cable routing path in the network device is too small to use Panduit® TX6A™ Field Term Plugs. Typical applications include:

- Network cameras and motion sensors
- Building access control points
- Wireless access points (WAPs)
- Network-attached Audio/Video equipment
- Power over Ethernet (PoE) LED lighting
- 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 TX6A FieldCord™ Connectors in channel. Meets or exceeds TIA Modular Plug Terminated Link requirements with one TX6A FieldCord™ Connector 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. 0.189 in. to 0.272 in. (4.80mm to 6.91mm)
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)
Operating temperature:	-10°C to +75°C (+14°F to +167°F)
Storage temperature:	-40°C to +75°C (-40°F to +167°F)
Required installation tool:	EGPT

key features and benefits

Smallest diameter 6A UTP 23AWG cable	Small cable diameter allows fit into tight cable routing spaces and minimizes required bend radius
Multiple standard lengths	Range of common lengths available to meet variety of application and device needs
Smallest plug size	Easily fits in tight port spaces of network devices where other connectors are too large
22-26 AWG termination capable	Works with all commonly used solid or 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
FieldCord™ Splice re-termination	Ability to re-terminate FieldCord™ Splice Connector up to 20 times with no additional parts, providing convenience and cost-savings in cases when FieldCord™ Connector must be re-terminated to cable
Compact termination tools	EGPT is fold-able and lightweight

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TX6A™ UTP FieldCord™ Connectors

Category 6A UTP plenum FieldCord™ Connector, 0.5 meter:

FC-ICCP0.5M**

Category 6A UTP plenum FieldCord™ Connector, 1 meter:

FC-ICCP1M**

Category 6A UTP plenum FieldCord™ Connector, 3 meter (with loose cord):

FC-ICC/P3M**

Tools and Accessories

Termination tool: EGPT

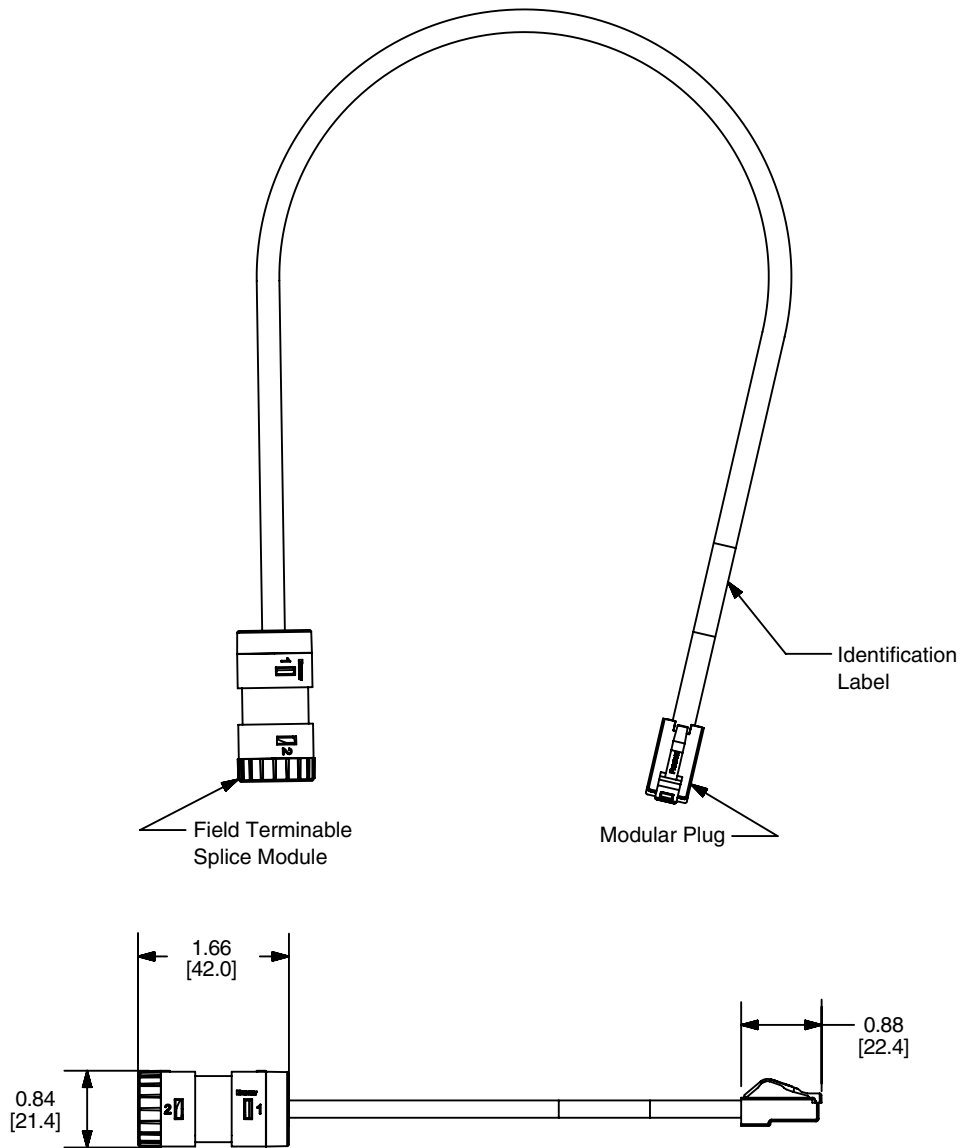
Cable jacket stripping tool: CJUST

Wire snipping tool: CWST

**= Cable jacket color (BU = Blue, WH = White).

TX6A™ Category 6A UTP FieldCord™ Connectors

Dimensions



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

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COSP512--WW-ENG
8/2021