

IndustrialNet™ PROFINET Shielded Field Term RJ45 Plug

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

The IndustrialNet™ PROFINET Shielded Field Term RJ45 Plug is a simple-to-attach plug for field termination of 2-pair shielded twisted pair cable. Providing Category 5e performance the IndustrialNet™ PROFINET plug is compatible with PROFINET shielded systems. The two-piece straight PROFINET shielded plug terminates 2-pair, 22 AWG, 100 ohm shielded 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 5e/Class EA performance:	Exceeds ANSI/TIA 568.2-D Category 5e and ISO 11801 Class EA Channel performance requirements with up to two field term plugs in channel. Meets or exceeds TIA Modular Plug Terminated Link (MPTL) requirements with up to two field term plugs in link
Cable compatibility:	Compatible with 2-pair, 22 AWG solid or stranded shielded twisted pair cable with conductor insulation diameters of 0.039 in. to 0.063 in. (1.0mm to 1.6mm) and overall cable O.D. 0.230 in. to 0.354 in. (5.8mm to 9.0mm)
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
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 +85°C (-40°F to +185°F)
Storage temperature:	-40°C to +85°C (-40°F to +185°F)

KEY FEATURES AND BENEFITS

Simple two-piece assembly:	Field friendly, easier to handle during field installation, saving time and reducing termination error
Slim plug profile:	Easily fits in tight port spaces or high-density port configurations
22 AWG termination capable:	Works with all commonly used solid and stranded shielded cabling
TG-style termination technology:	Proven electrical performance and quick installation speed from the same forward-motion termination technology used in the Panduit Mini-Com® TG Modular Jacks
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

APPLICATIONS

The simple-to-attach IndustrialNet™ PROFINET Shielded Field Term RJ45 Plug is ideal for connecting network-powered devices to shielded networks using MPTL links or anywhere field attachment of a plug to shielded cable is desired. Typical applications include:

- Wireless access points (WAPs)
- PROFINET enabled panels or on-machine applications
- Building access control points
- Network-attached Audio/Video equipment

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Field Term Plug:	FPE6X88MTG
IndustrialNet™ Category 5e SF/UTP Copper Cable CM 4-pair:	ISFCH5C04ATL-XG
IndustrialNet™ M12 X-Code Field Terminable Plug:	ISPS6A88MFA
IndustrialNet™ Category 5e Shielded 600 V-Rated Patch Cords CM/CMX outdoor:	ISTPHCH **M^
Mini-Com Category 5e Shielded Jack: 1-port	CJS5E88TGY
IndustrialNet™ M12 X-Code to RJ45 Panel Mount Adapter:	ICAM12XRJS
DIN Rail Patch Panel: 8-port	CDPP8RG
DIN Rail Adapter: 1-port	CADIN1I***
Tools and Accessories	
Termination Tool:	EGPT or EGJT-1
Wire Stripping Tool:	CJAST
Wire Snipping Tool:	CWST
Optional Test Cord:	FPS6X88TC
Shielded Straight Field Term Plug	CPECAPGR-X
Wire Caps 10 pk:	

^Meter lengths: 0.6, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 7, or 10 meters

**Colors: TL (Teal) or BL (Black)

***Colors: BL (Black) or IG (International Gray)

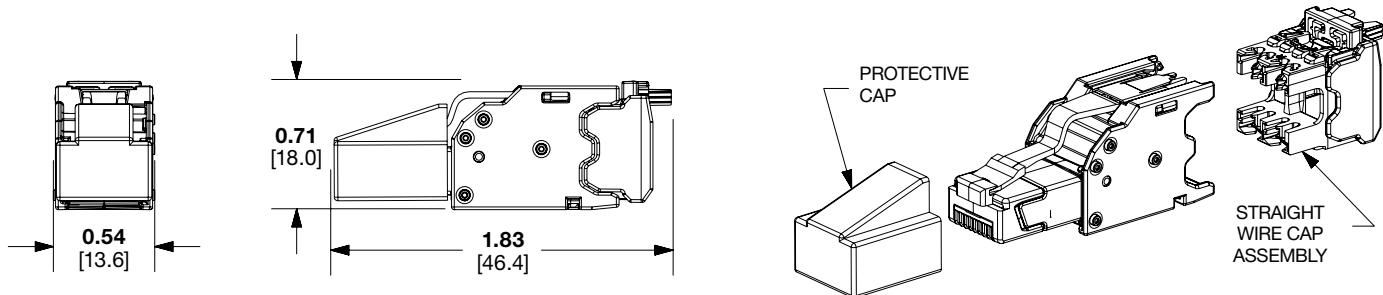


All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

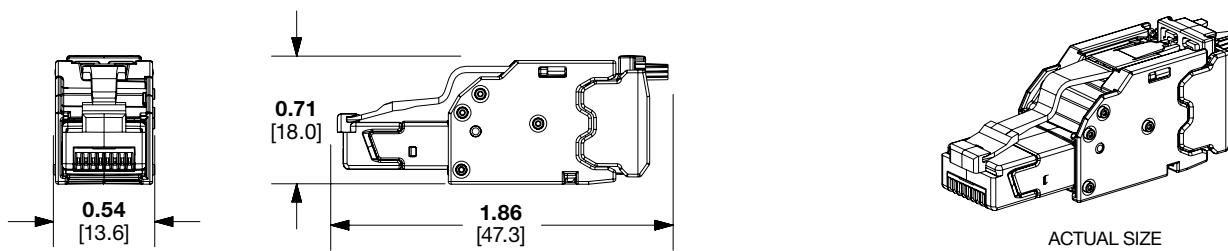
IndustrialNet™ PROFINET Shielded Field Term RJ45 Plug

ENGINEERING DRAWINGS

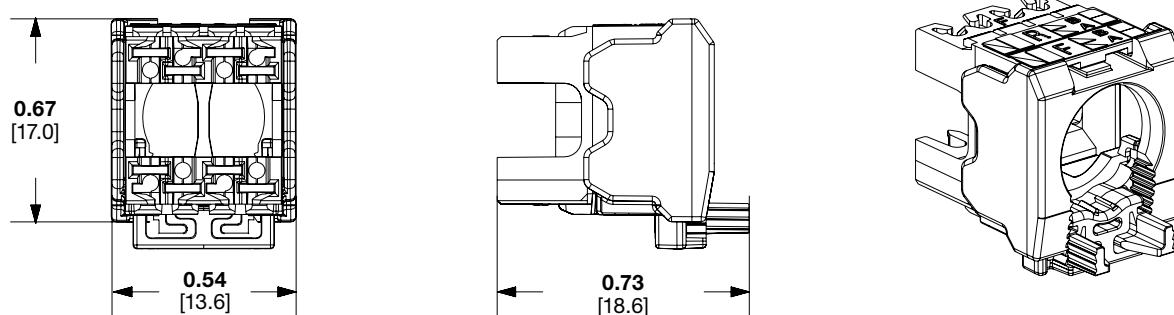
Shielded Field Term Plug "without" Protective Cap



Shielded Field Term Plug "with" Protective Cap



Shielded Straight Wire Cap Assembly



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

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