

IndustrialNet™ TX6™ PLUS Patch Cords

PANDUIT® SPECIFICATION SHEET

specifications

Industrial Ethernet patch cords shall be constructed of Category 6, industrial grade, stranded, twisted pair cable for UTP and STP installations. Each patch cord shall be pre-terminated to include Category 6 industrial plugs on each end which are wired according to the T568B standard. Tethered caps shall be available to protect connectivity in unmated conditions. An IP67 rating shall be achieved when mated with an IP67 industrial grade, bayonet style connector.



technical information

Category 6/Class E channel and component performance:	Exceeds channel and component requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards at swept frequencies up to 250 MHz
FCC and ANSI compliance:	Meets ANSI/TIA-EIA-968-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Patch Cords meets IEC 60603-7; housing meets IEC 61076-3-106 variant 1, conforms to ODVA specifications
UL compliance:	Outer cable jacket material meets UL 1581 section 480 and 1200 standard for UV and oil resistance respectively
PoE compliance:	Meet requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
Materials:	Constructed of 24 AWG UTP or 26 AWG shielded, stranded industrial grade cable, IndustrialNet™ TX6™ PLUS Modular Plugs and IP67 fittings
Temperature rating:	-4°F to 158°F (-20°C to 70°C) during operation

key features and benefits

Durability	Allows for 100-meter patch runs between automation devices and controls in extremely harsh conditions or environments – common in the automotive, food and beverage, petro-chemical, mining and building automation markets
IP rated	When patch cord plug fittings are mated to IP67 IndustrialNet™ TX6™ PLUS Connectors, the patch cords meet IP67 protection Withstands harsh environments without loss of performance in wash down and temporary submerged conditions
Bayonet-style termination	Provides quick installation for lowest installed cost Mated bayonet tactile lock ensures positive mating between the plug and connector
100% performance tested	Confidence that each patch cord delivers Category 6 performance at the component level

applications

The IndustrialNet™ TX6™ PLUS Patch Cords provide reliability and high performance, as an integral component to the end-to-end solution, for Industrial Network applications. In the mated conditions, these patch cords can withstand high temperature and high vibration, commonly found in metal forming

or automotive manufacturing. The IP67 rating is imperative in the food and beverage industries where wash down is common. Pre-integrated tethered caps allow for the plugs to be protected in their unmated condition, such as during shipping, storage, installation or maintenance.

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IndustrialNet™ TX6™ PLUS Patch Cords

UTP with caps:	IUTPSP*BL
UTP without caps:	IUTPSPNC*BL
Shielded with caps:	ISTPSP**MBL
Shielded without caps:	ISTPSPNC*MBL

IndustrialNet™ TX6™ PLUS Connectors

UTP:	IAEBH6
Shielded:	IAEBH6S

IndustrialNet™ TX6™ PLUS Coupler

UTP:	IAEBHC6
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IndustrialNet™ Enclosures and Accessories

Enclosure:	IAEIP66
Populated gland plate:	IAECGP
Blank gland plate:	IAEBGP
Fan kit:	IAEFK54
Empty bulkhead:	IAEBH

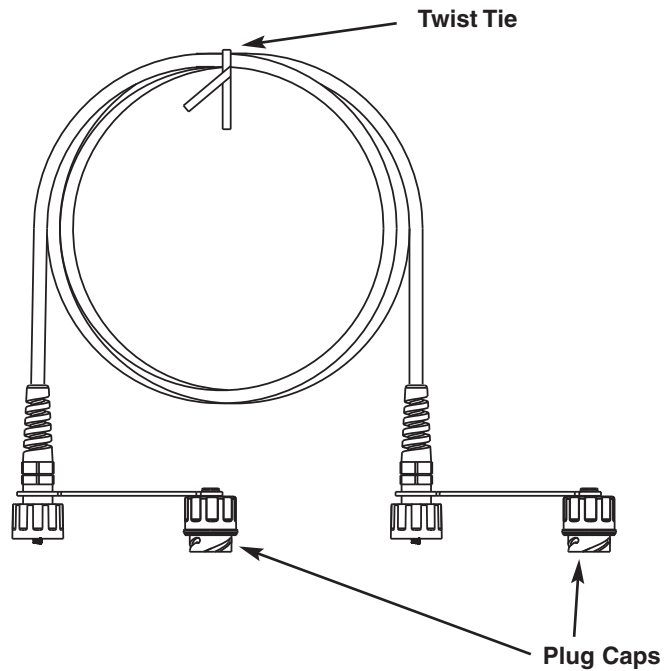
IndustrialNet™ Stainless Steel Faceplates

Single gang:	IAEFP1
Double gang:	IAEFP2-2G

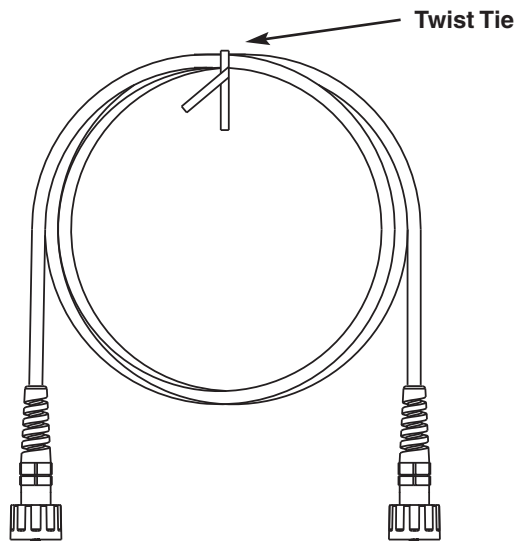
*For lengths 3, 5, 7, 10, 15 or 20 feet, change the length designation in the part number to desired length. For example, the part number for a black, 7-foot, UTP patch cords is IUTPSP7BL.

*For lengths 1, 2, 3 or 5 meters, change the length designation in the part number to desired length. For example, the part number for a black, 5-meter, UTP patch cords is ISTPSP5MBL.

Patch Cord With Caps



Patch Cord Without Caps



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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

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