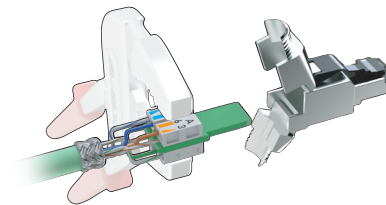


Field Wireable Connectors - Data

Shielded RJ45 IDC Field Wireable Connectors

Features

- Insulation displacement connector (IDC)
- Cat6a (Gigabit)
- 5-year warranty

**490174****490152**

Shielded RJ45 IDC Field Wireable Connectors							
Part Number	Price	Wire Size	Number of Wires	Connector Type	Connection	Conductor Color Code	Drawing Link
490174	\$35.00	5.5-10mm	8	RJ45 male axial 8-wire/8-pin	Cat6a	TIA-568B	PDF
490175	\$35.00					TIA-568A	PDF
490176	\$35.00					TIA-568B	PDF
490151	\$37.00			RJ45 male 90-degree 8-wire/8-pin		TIA-568B	PDF
490152	\$40.00					TIA-568A	PDF
490153	\$37.00					TIA-568B	PDF

Shielded RJ45 IDC Field Wireable Connectors Specifications						
Model	490174	490175	490176	490151	490152	490153
Type	RJ45 Axial 8-Wire, 8-Pin			RJ45 90-degree 8-wire, 8-Pin		
Rated Voltage	30V					
Maximum Current per Contact	≤1A					
Degree of Pollution	1					
Transmission Type	Cat6a					
Transfer Rate	10 Gbit/s					
Bandwidth	500 MHz					
Operating Temperature Range	-40 to 85°C [-40 to 185°F]					
Protection Degree	IP20					
Flammability	V0 according to UL 94					
Wire Ø	1 to 1.6 mm	0.85 to 1.1 mm		1 to 1.6 mm		0.85 to 1.1 mm
Outside Cable Ø	5.5 to 10mm					
Conductor Cross Section	24-22 AWG [0.25 to 0.34 mm²]	26-22 AWG [0-14 to 0.34 mm²]		24-22 AWG [0.25 to 0.34 mm²]		26-22 AWG [0-14 to 0.34 mm²]
Housing Material	Die-cast zinc					
Cover Material	Polybutylene terephthalate (PBT)					
Contact Material	Spring steel gold-plated					
Approvals*	cULus					

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Pin Assignments

TIA-T568A

1	WH-GN
2	GN
3	WH-OG
4	BU
5	WH-BU
6	OG
7	WH-BN
8	BN

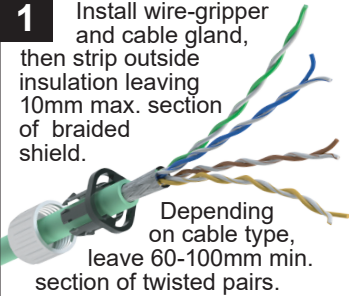
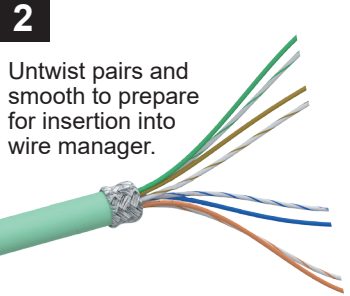
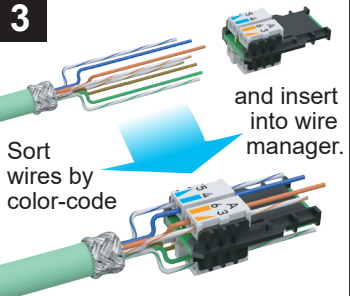
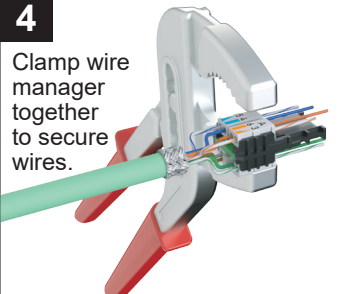
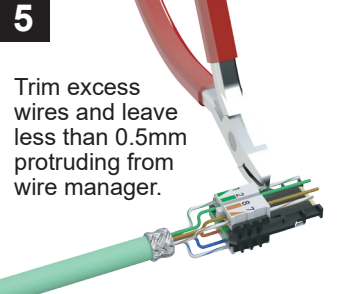
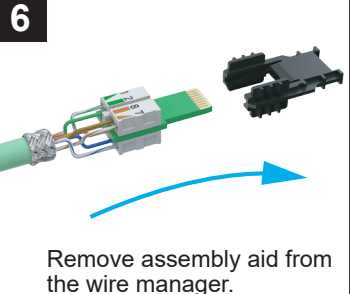
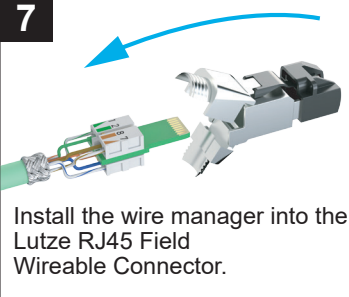
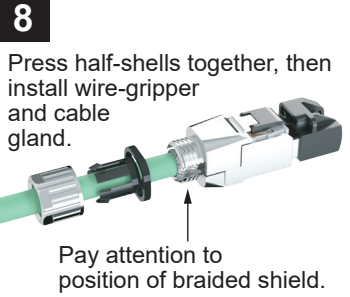
TIA-T568B

1	WH-OG
2	OG
3	WH-GN
4	BU
5	WH-BU
6	GN
7	WH-BN
8	BN

Profinet/Industrial

1	YE
2	OG
3	WH
4	—
5	—
6	BU
7	—
8	—

Shielded RJ45 IDC Field Wireable Connectors Assembly Instructions

1 Install wire-gripper and cable gland, then strip outside insulation leaving 10mm max. section of braided shield. Depending on cable type, leave 60-100mm min. section of twisted pairs. 	2 Untwist pairs and smooth to prepare for insertion into wire manager. 	3 Sort wires by color-code and insert into wire manager. 
4 Clamp wire manager together to secure wires. 	5 Trim excess wires and leave less than 0.5mm protruding from wire manager. 	6 Remove assembly aid from the wire manager. 
7 Install the wire manager into the Lutze RJ45 Field Wireable Connector. 	8 Press half-shells together, then install wire-gripper and cable gland. Pay attention to position of braided shield. 	9 Tighten cable gland with 13mm wrench to approximately 1 Nm until stop. Remove protective cap to begin use. 