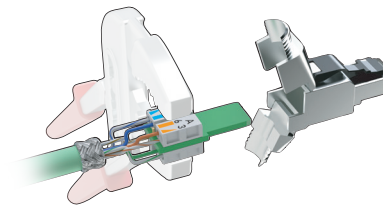


Shielded RJ45 IDC Field Wireable Connectors

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	\$37.50	5.5-10mm	8	RJ45 male axial 8-wire/8-pin	Cat6a	TIA-568B	PDF
490175	\$37.50					TIA-568A	PDF
490176	\$37.50					TIA-568B	PDF
490151	\$40.00			RJ45 male 90-degree 8-wire/8-pin		TIA-568B	PDF
490152	\$44.00					TIA-568A	PDF
490153	\$40.00					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

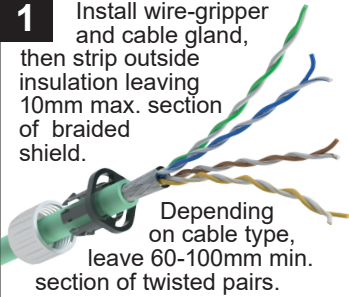
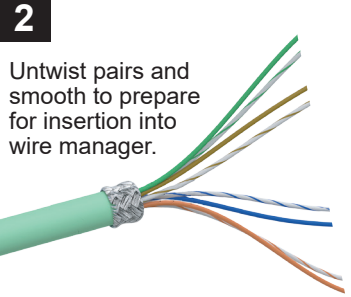
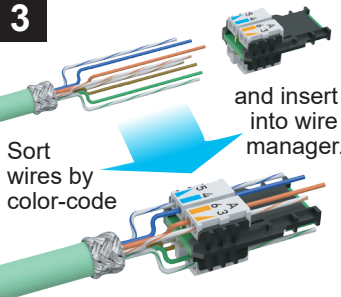
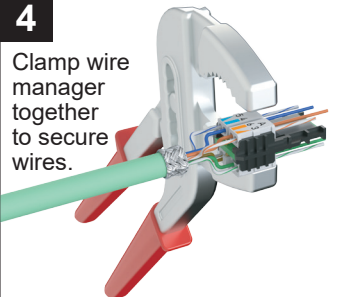
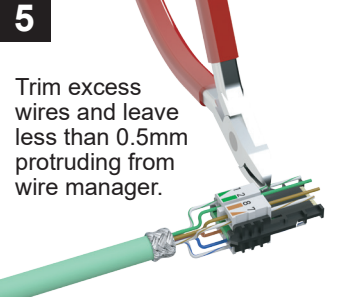
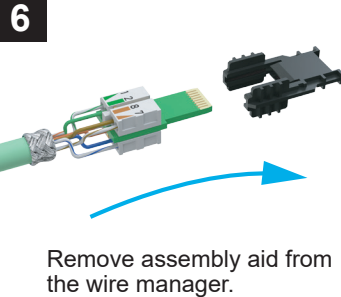
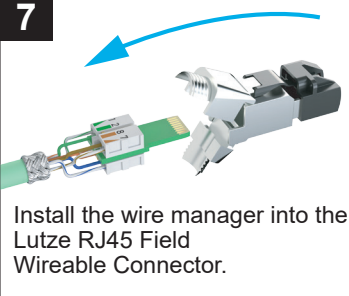
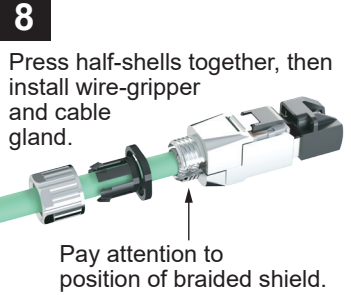
1	WH-OG
2	OG
3	WH-GN
4	BU
5	WH-BU
6	GN
7	WH-BN
8	BN

Profinet/Industrial

1	YE
2	OG
3	WH
4	—
5	—
6	BU
7	—
8	—

Field Wireable Connectors - Data

Shielded RJ45 IDC Field Wireable Connectors Assembly Instructions

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