

# Field Wireable Connectors - Data

## Shielded RJ45 IDC Field Wireable Connectors

### Features

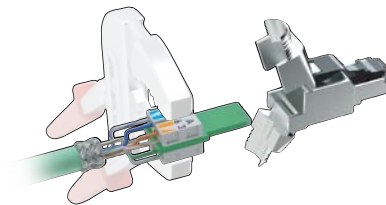
- Insulation displacement connector (IDC)
- Cat6a (Gigabit)
- 5-year warranty



490174



490152



Shielded RJ45 IDC Field Wireable Connectors								
Part Number	Price	Wire Size	Number of Wires	Connector Type	Connection	Conductor Color Code	Drawing Link	
<a href="#">490174</a>	\$66p?:	5.5-10mm	8	RJ45 male axial 8-wire/8-pin	Cat6a	TIA-568B	<a href="#">PDF</a>	
<a href="#">490175</a>	\$.66p,:					TIA-568A	<a href="#">PDF</a>	
<a href="#">490176</a>	\$66q0:					TIA-568B	<a href="#">PDF</a>	
<a href="#">490151</a>	\$66q1:			RJ45 male 90-degree 8-wire/8-pin		TIA-568B	<a href="#">PDF</a>	
<a href="#">490152</a>	\$66q2:					TIA-568A	<a href="#">PDF</a>	
<a href="#">490153</a>	\$66q3:					TIA-568B	<a href="#">PDF</a>	

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

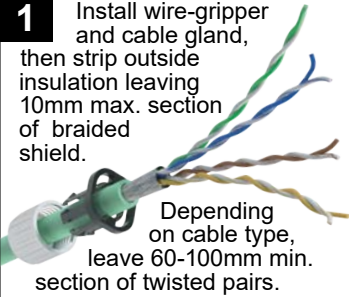
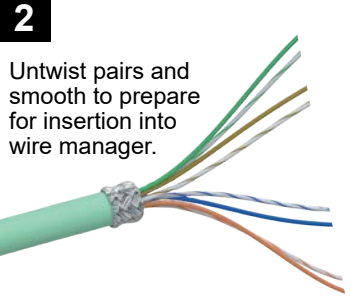
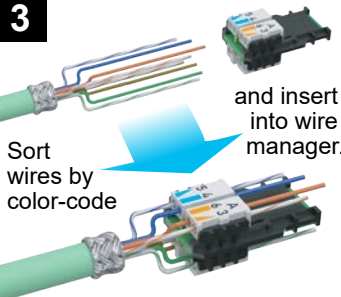
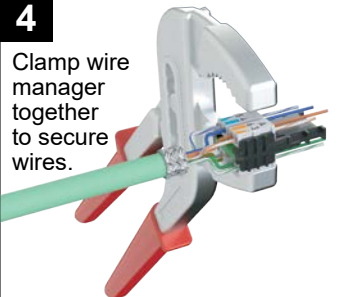
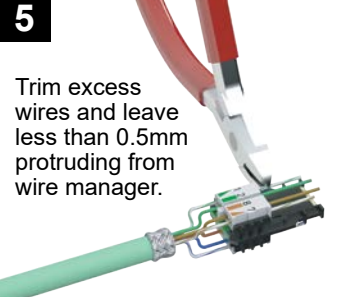
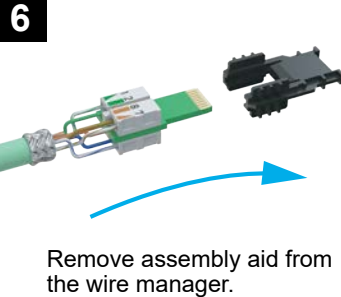
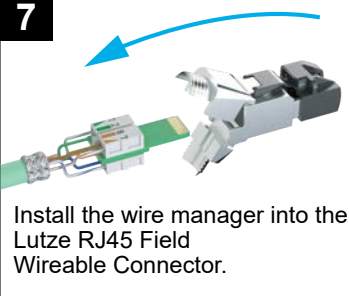
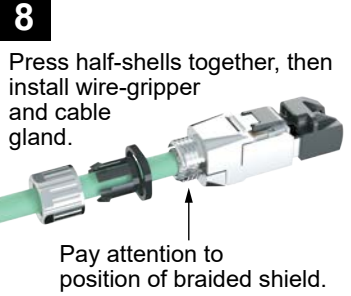
1	WH-OG
2	OG
3	WH-GN
4	BU
5	WH-BU
6	GN
7	WH-BN
8	BN

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