



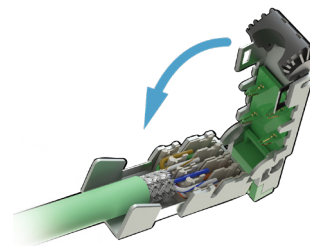
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# Field Wireable Connectors - Data

## Shielded RJ45 IDC Field Wireable Connectors

### Features

- Insulation displacement connector (IDC)
- Cat5, Cat5e, and Cat6 models available
- Available in axial, 45°, and 90° outlets



7000-74001-000000



7000-74031-000000



7000-74075-000000



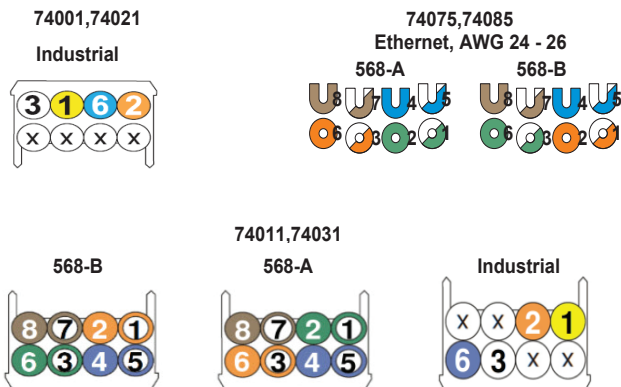
7000-74085-000000

Shielded RJ45 IDC Field Wireable Connectors							
Part Number	Price	Wire Size	Number of Wires	Connector Type	Connection	Housing Material	Drawing Link
<a href="#">7000-74001-000000</a>	\$20.00	26 to 22 AWG	4	RJ45 axial male	Cat5	Polyvinyl chloride (PVC)	<a href="#">PDF</a>
<a href="#">7000-74011-000000</a>	\$23.00		8		Cat6		<a href="#">PDF</a>
<a href="#">7000-74021-000000</a>	\$22.00		4	RJ45 male 45-degree	Cat5	Polyethylene (PE)	<a href="#">PDF</a>
<a href="#">7000-74031-000000</a>	\$25.00		8		Cat6		<a href="#">PDF</a>
<a href="#">7000-74075-000000</a>	\$24.50	26 to 24 AWG	8	RJ45 axial male	Cat5e	Die-cast zinc	<a href="#">PDF</a>
<a href="#">7000-74085-000000</a>	\$26.50			RJ45 90-degree male	Cat5e		<a href="#">PDF</a>

Shielded RJ45 IDC Field Wireable Connectors Specifications			
Model	74001, 74021	74011, 74031	74075, 74085
Type	RJ45: 4-Wire, 4-Pin	RJ45: 8-Wire, 8-Pin	RJ45: 8-Wire, 8-Pin
Maximum Voltage	60VDC		50V
Maximum Current per Contact	1.76 A		1.75 A
Transmission Type	Cat5	Cat6	Cat5e
Transfer Rate	10/100 Mbps	10 Gbit/s	1 Gbit/s
Bandwidth	100 MHz	250 MHz	100 MHz
Temperature Range	-40 to 70°C [-40 to 158°F]		
Protection Degree	IP20		
Wire Ø	max 1.6 mm		
Outside Cable Ø	5 to 9mm (74001, 74011), 5 to 8mm (74021, 74031)		5 to 9 mm
Conductor Cross Section	0.14 to 0.34 mm² [26 to 22 AWG]		0.14 to 0.25 mm² [26 to 24 AWG]
Housing Material	Polyvinyl chloride(PVC) / Polyethylene (PE)		Zinc die casting
Contact Material	—		Gold-plated
Approvals*	cURus		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



# Field Wireable Connectors - Data

## Assembly Instructions

Part Numbers: **7000-74001-0000000, 7000-74011-0000000, 7000-74021-0000000, 7000-74031-0000000**

**1** Before stripping outside jacket, install black plastic shroud and retaining nut on cable. Leave 14mm of twisted pairs and 10mm section of braided shield.

**2** Untwist pairs and smooth to prepare for insertion into wire manager.

**3a Four-pole** Sort wires by color-code and insert into wire manager. Profinet/Ethernet

**3b Eight-pole** Sort wires by color-code and insert into wire manager. T568A T568B Profinet/Ethernet

**4 Eight-pole only** Trim excess wires from the shorter tier of wire manager.

**5** Rotate the conductor body down to pierce the insulation with metal tines. Snap in bottom section of shield.

**6** Slide black plastic shroud over connector until click is heard. Secure cable with wire gripping nut.

Part Numbers: **7000-74075-0000000, 7000-74085-0000000**

**1** Strip outside insulation. Leave 30mm of twisted pairs and 7- 8mm section of braided shield.

**2** Untwist pairs and smooth to prepare for insertion into wire manager.

**3** Sort wires by color-code and insert into wire manager. T568A T568B AWG24-26

**4** Trim excess wires from both upper and lower tiers of wire manager.

**5** Rotate conductor body down and seat firmly to pierce insulation with metal tines.

**6** Rotate black plastic cable-retainer down. NOTE: After cable-retainer is secured, connector assembly may not be reopened.



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# Field Wireable Connectors - Data

## Shielded RJ45 M12 D-coded Bulkhead Connectors

### Features

- Axial or 90-degree models
- Mounting nuts included
- Plastic housing



7000-44671-0000000



7000-44681-0000000



Shielded RJ45 M12 D-coded Bulkhead Connectors							
Part Number	Price	Wire Size	Number of Wires	Connector Type	Connection	Housing Material	Drawing Link
<a href="#">7000-44671-0000000</a>	\$29.50	N/A	4	M12 D-coded axial female to RJ45 axial male	Cat5	Polyurethane (PUR)	<a href="#">PDF</a>
<a href="#">7000-44681-0000000</a>	\$30.00			M12 D-coded axial female to RJ45 90-degree female			<a href="#">PDF</a>

Shielded RJ45 M12 D-coded Bulkhead Connectors Specifications	
<b>Model</b>	44671, 44681
<b>Type</b>	M12: 4-Wire, 4-Pole
<b>Maximum Voltage</b>	60VDC
<b>Maximum Current per Contact</b>	1.76 A
<b>Transmission Type</b>	Cat5
<b>Bandwidth</b>	100 MHz
<b>Temperature Range</b>	-25 to 85°C [-13 to 185°F]
<b>Protection Degree</b>	IP68 (M12); IP20 (RJ45)
<b>Housing Mounting Panel Thickness</b>	2.0 to 5.0 mm [0.08 to 0.20 in]
<b>Housing Mounting Tightening Torque</b>	0.6 N•m [5.3 in-lb]
<b>Housing Material</b>	Polyurethane (PUR)
<b>Approvals*</b>	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

M12 RJ45

