

# Field Wireable Connectors

## Insulation Displacement (IDC) Connectors

### Features

- IDC (insulation displacement connection) allows quick termination without stripping conductors
- Various cable gauges and diameters accepted
- M8 and M12 connector types available



Field Wireable M8 Insulation Displacement (IDC) Connectors						
Part Number	Price	Poles	Connector Type	Conductor Wire	Housing Material	Outside Cable Diameter
7000-08321-0000000	\$8.50	3	Axial male	24 to 20 AWG [0.25 to 0.5 mm <sup>2</sup> ]	Thermoplastic polyester elastomer (TPE- E)	4 to 5.1 mm [0.157 to 0.20 in]
7000-08341-0000000	\$9.00	4				
7000-08361-0000000	\$8.75	3	Axial female	26 to 22 AWG [0.14 to 0.34 mm <sup>2</sup> ]	Polyamide (PA)	2.5 to 5.1 mm [0.098 to 0.20 in]
7000-08381-0000000	\$9.25	4				
7000-08331-0000000	\$9.25	3	Axial male	26 to 22 AWG [0.14 to 0.34 mm <sup>2</sup> ]	Polyamide (PA)	2.5 to 5.1 mm [0.098 to 0.20 in]
7000-08351-0000000	\$9.75	4				
7000-08371-0000000	\$9.50	3	Axial female	26 to 22 AWG [0.14 to 0.34 mm <sup>2</sup> ]	Polyamide (PA)	2.5 to 5.1 mm [0.098 to 0.20 in]
7000-08391-0000000	\$10.00	4				

Field Wireable M12 Insulation Displacement (IDC) Connectors						
Part Number	Price	Poles	Connection Type	Conductor Wire	Housing Material	Outside Cable Diameter
7000-12481-0000000	\$7.75	4	Axial male	24 to 20 AWG [0.25 to 0.5 mm <sup>2</sup> ]	Thermoplastic polyester elastomer (TPE- E)	4 to 5.1 mm [0.157 to 0.20 in]
7000-12601-0000000	\$9.00		Axial female			
7000-12491-0000000	\$9.00		Axial male	26 to 22 AWG [0.14 to 0.34 mm <sup>2</sup> ]	Polyamide (PA)	2.9 to 5.1 mm [0.114 to 0.20 in]
7000-12611-0000000	\$10.00		Axial female			
7000-12561-0000000	\$11.00		Right-angle male	24 to 20 AWG [0.25 to 0.5 mm <sup>2</sup> ]	Thermoplastic polyester elastomer (TPE- E)	4 to 5.1 mm [0.157 to 0.20 in]
7000-12681-0000000	\$12.00		Right-angle female			
Shielded						
7000-14521-0000000	\$26.00	4	Axial male, D-coded	26 to 22 AWG [0.14 to 0.34 mm <sup>2</sup> ]	Polypropylene (PP) UL Recognized	4.5 to 8.8 mm [0.18 to 0.35 in]
7000-14621-0000000	\$29.50		Axial female, D-coded			

NOTE: Dimensions for these connectors are located on the following drawing pages.

Specifications				
	M8		M12	
Outside Cable Ø (mm)	4 to 5.1	2.5 to 5.1	2.9 to 5.1	4 to 5.1
Nominal Voltage	32V AC/DC			
Current (max)	4-pole: 3A; 3-pole: 4A		4A	
Temperature	-25° to 85°C [-13° to 185°F]			
Environmental Protection	IP67		IP65/67	
Isolation Materials	(Recommended conductor insulation) PVC/PP/TPE PolyVinyl Chloride/Polypropylene/Thermoplastic Elastomer			
Wire Diameter	1.2 to 1.6 mm [0.047 to 0.063 in]	1.0 to 1.6 mm [0.039 to 0.063 in]	1.2 to 1.6 mm [0.047 to 0.063 in]	
Isolation Resistance	Category III per IEC 60664-1			
Screw	N/A			
Weight	0.03 oz [0.85 g]	0.04 oz [1.13 g]	0.05 oz [1.42 g]	0.06 oz [1.7 g]
Agency Approvals	-		UL Recognized. File E224242	

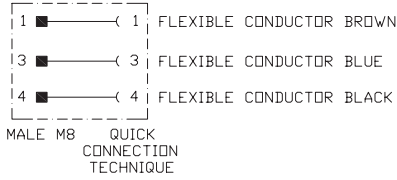
To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

# Field Wireable Connectors

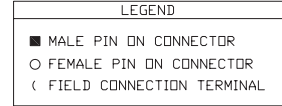
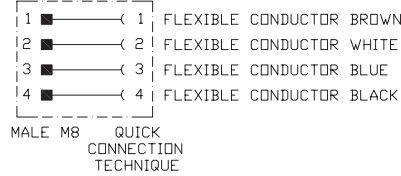
## M8 IDC Connectors Dimensions and Wiring

### Wiring Diagrams

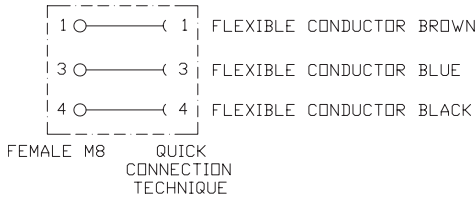
**3-Pole Male Connector**



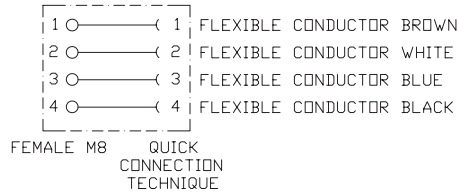
**4-Pole Male Connector**



**3-Pole Female Connector**

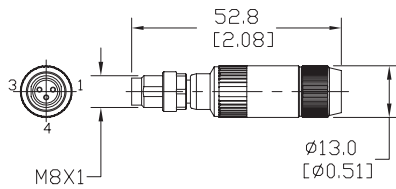


**4-Pole Female Connector**

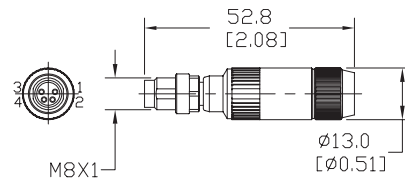


### Dimensions mm [in]

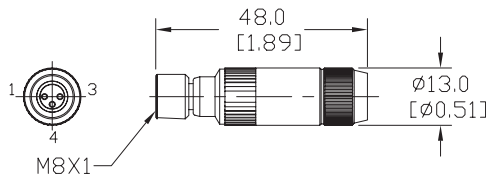
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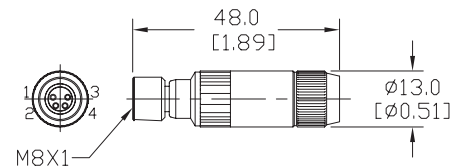
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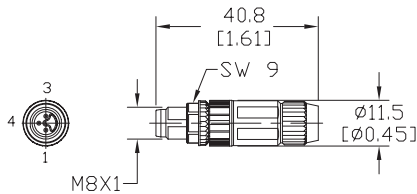
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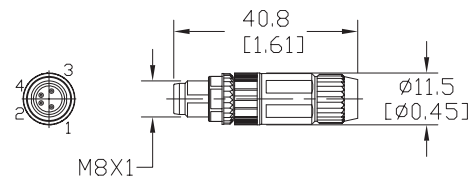
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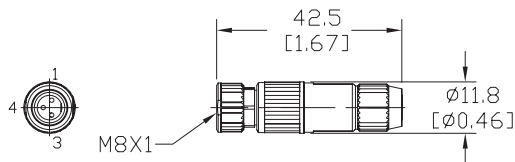
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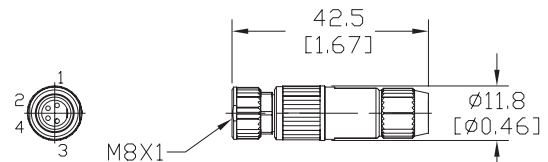
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**7000-08371-000000**



**7000-08391-000000**

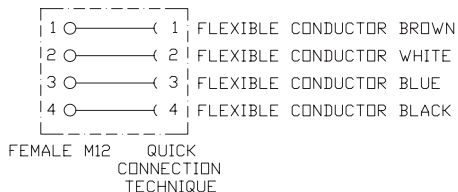


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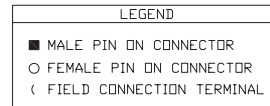
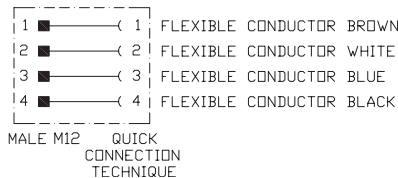
## M12 IDC Connectors Dimensions and Wiring

### Wiring Diagrams

#### 4-Pole Female Connector

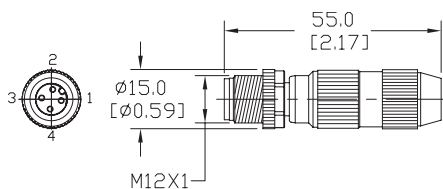


#### 4-Pole Male Connector

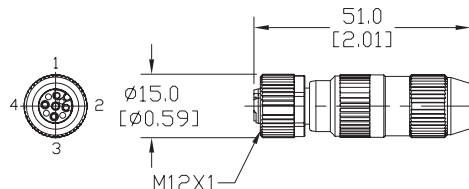


### Dimensions mm [in]

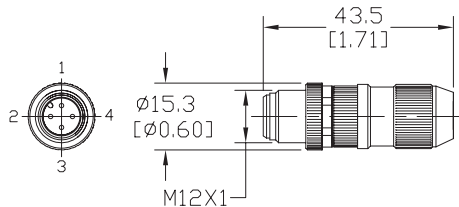
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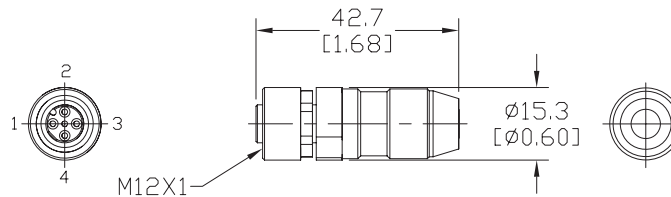
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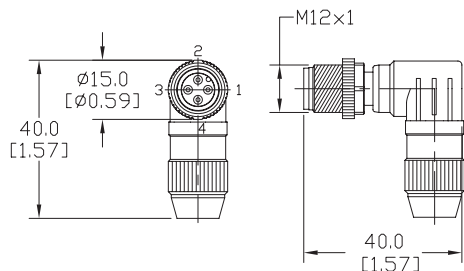
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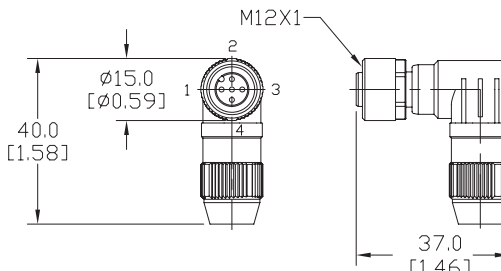
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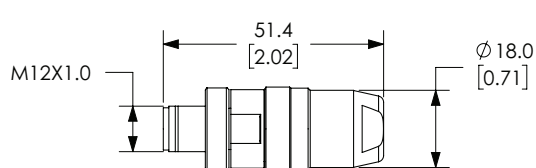
#### 7000-12561-000000



#### 7000-12681-000000



#### 7000-14521-000000



#### 7000-14621-000000

