

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
7000-08331-0000000		3	Axial male	26 to 22 AWG [0.14 to 0.34 mm ²]	Polyamide (PA)	2.5 to 5.1 mm [0.098 to 0.20 in]
7000-08351-0000000		4				
7000-08371-0000000		3	Axial female			
7000-08391-0000000		4				

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

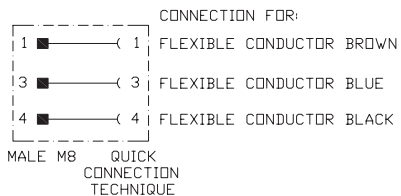
To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

Field Wireable Connectors

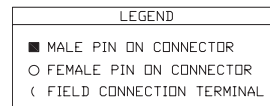
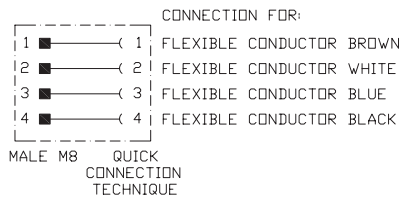
M8 IDC Connectors Dimensions and Wiring

Wiring Diagrams

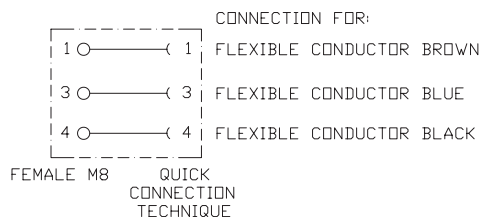
3-Pole Male Connector



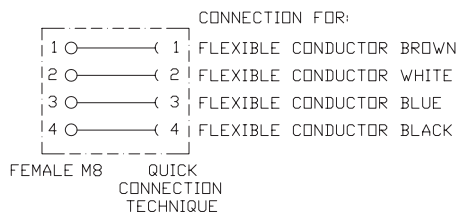
4-Pole Male Connector



3-Pole Female Connector



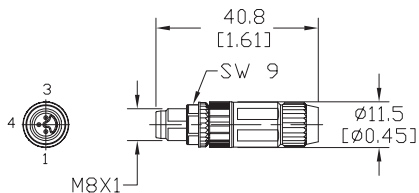
4-Pole Female Connector



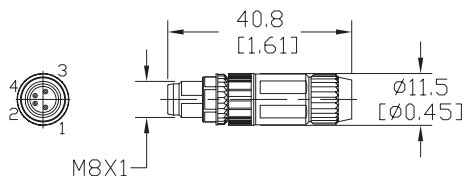
Dimensions

mm [inches]

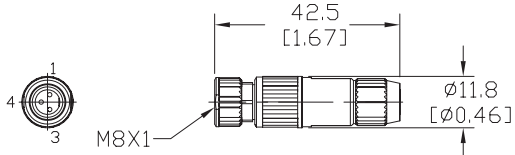
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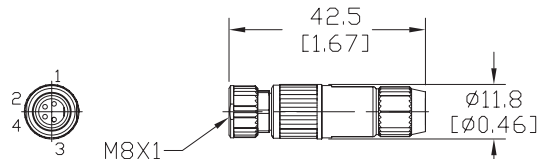
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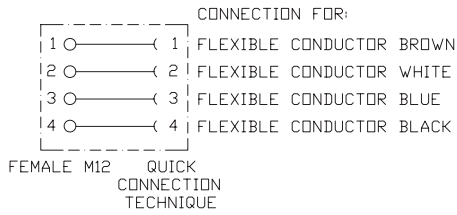


Field Wireable Connectors

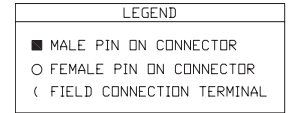
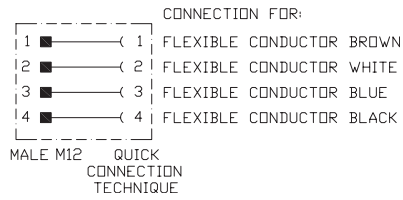
M12 IDC Connectors Dimensions and Wiring

Wiring Diagrams

4-Pole Female Connector



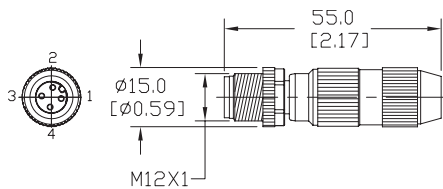
4-Pole Male Connector



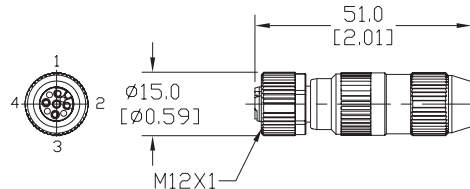
Dimensions

mm [inches]

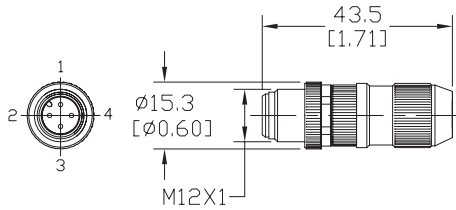
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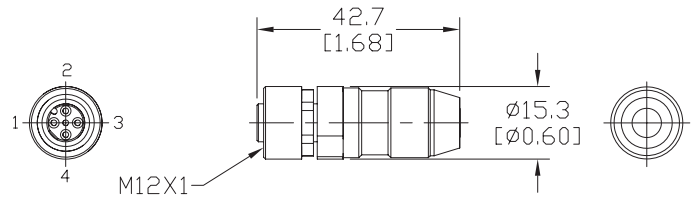
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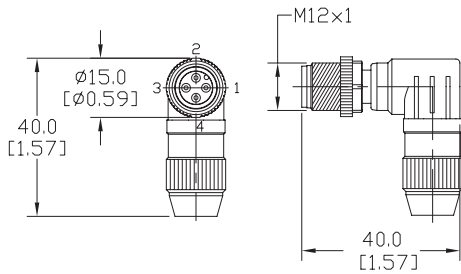
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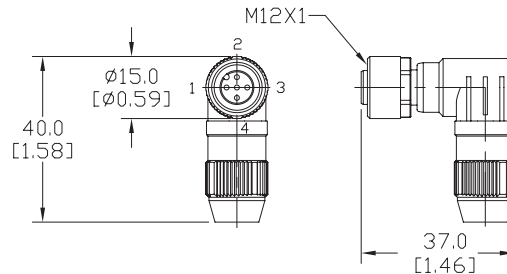
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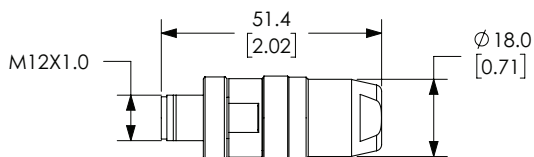
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