



Field Wireable Connectors Sensor/Signal and Data



M8 and M12 Insulation Displacement (IDC)

Features

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

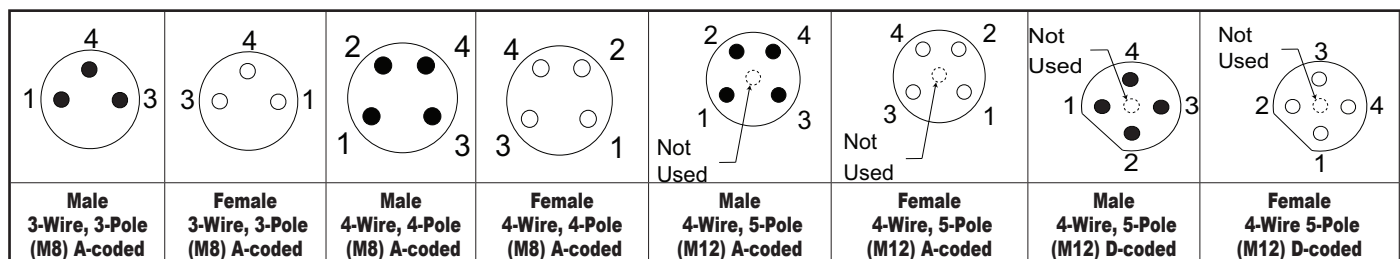
Field Wireable M8 A-coded Sensor/Signal						
Part Number	Price	Number of Wires	Connector Type	Conductor Wire	Housing Material	Outside Cable Ø
7000-08331-0000000	\$12.50	3	Axial male, A-coded	26 to 22 AWG [0.14 to 0.34 mm ²]	Polyamide (PA)	2.5 to 5.1 mm [0.098 to 0.20 in]
7000-08351-0000000	\$12.50	4				
7000-08371-0000000	\$12.50	3	Axial female, A-coded			
7000-08391-0000000	\$14.00	4				

Field Wireable M12 A-coded Sensor/Signal and M12 D-coded Data						
Part Number	Price	Number of Wires	Connection Type	Conductor Wire	Housing Material	Outside Cable Ø
7000-12481-0000000	\$10.50	4	Axial male, A-coded	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	\$12.00		Axial female, A-coded			
7000-12491-0000000	\$12.00		Axial male, A-coded	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	\$14.00		Axial female, A-coded			
7000-12561-0000000	\$15.00		Right-angle male, A-coded	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	\$16.50		Right-angle female, A-coded			
Shielded						
7000-14521-0000000	\$35.50	4	Axial male, D-coded	26 to 22 AWG [0.14 to 0.34 mm ²]	Polypropylene (PP)	4.5 to 8.8 mm [0.18 to 0.35 in]
7000-14621-0000000	\$41.00		Axial female, D-coded			

M8 and M12 Insulation Displacement (IDC) Connector Specifications				
Model	M8		M12	
	3-Wire, 3-Pole A-coded	4-Wire, 4-Pole A-coded	4-Wire, 5-Pole A-coded	4-Wire, 5-Pole D-coded
Outside Cable Ø	2.5 to 5.1 mm	2.5 to 5.1 mm	2.9 to 5.1 mm	4 to 5.1 mm 4.5 to 8.8 mm
Max Voltage	32 VAC/VDC			50 VAC/VDC
Max Current per Contact	4A			
Temperature Range	-25 to 85°C [-13 to 185°F]			
Protection Degree	IP67		IP65 / IP67	
Isolation Materials	(Recommended conductor insulation) PVC/PP/TPE PolyVinyl Chloride/Polypropylene/Thermoplastic Elastomer			PVC, PE (Polyvinyl Chloride, Polyethylene)
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]	1.2 to 2.0 mm [0.047 to 0.079 in]
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]
Approvals*	cURus			

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

Contact Diagrams

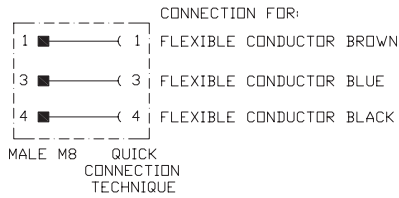


Field Wireable Connectors

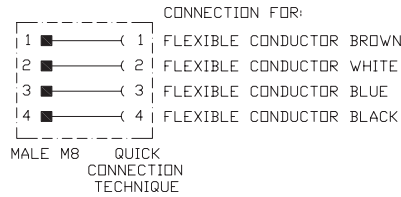
Sensor/Signal and Data

Wiring Diagrams

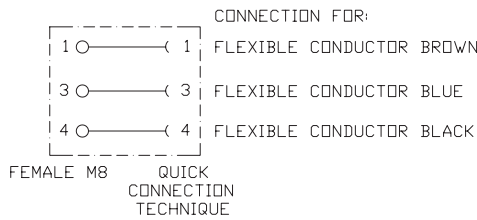
3-Wire, 3-Pole Male Connector



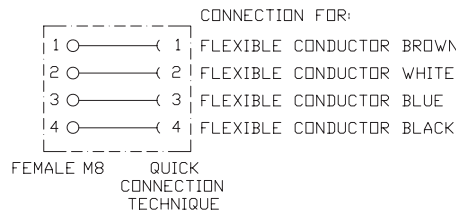
4-Wire, 4-Pole Male Connector



3-Wire, 3-Pole Female Connector

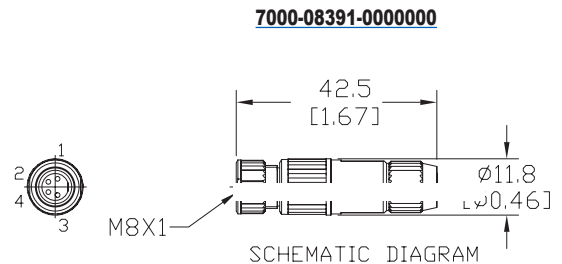
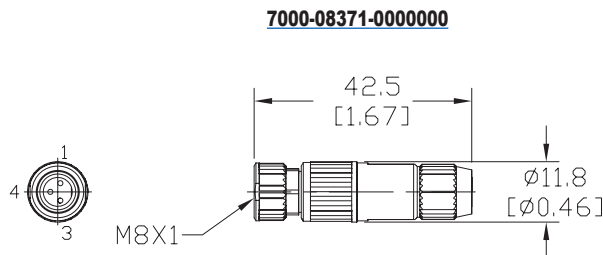
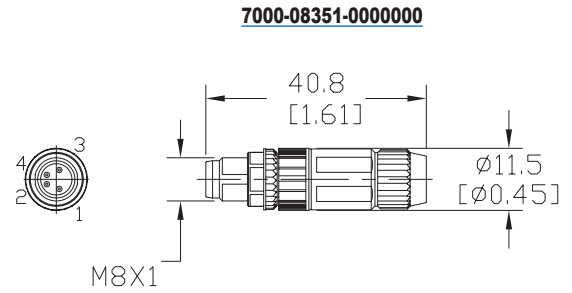
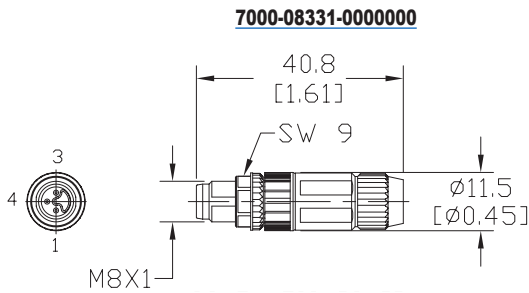


4-Wire, 4-Pole Female Connector



Dimensions

mm [inches]



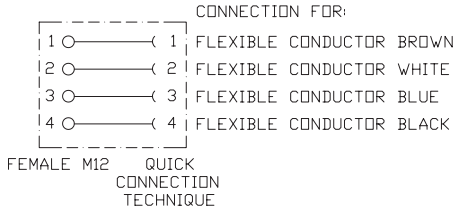


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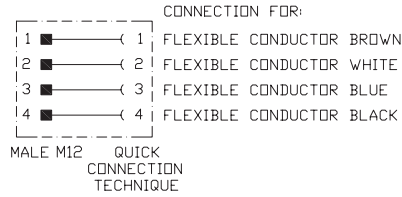
Sensor/Signal and Data

Wiring Diagrams

4-Wire, 5-Pole Female Connector



4-Wire, 5-Pole Male Connector

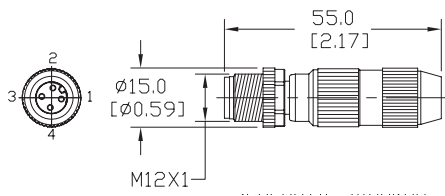


LEGEND	
■	MALE PIN ON CONNECTOR
○	FEMALE PIN ON CONNECTOR
(FIELD CONNECTION TERMINAL

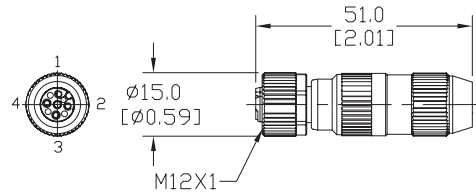
Dimensions

mm [inches]

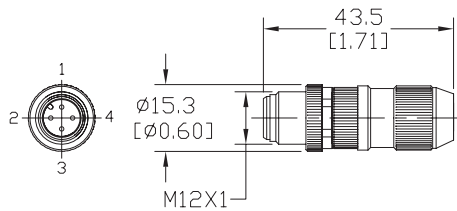
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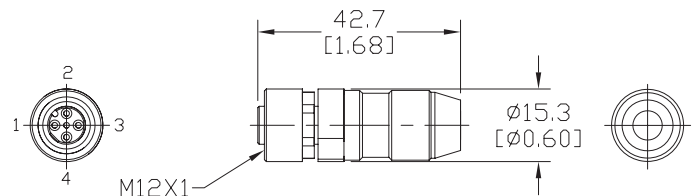
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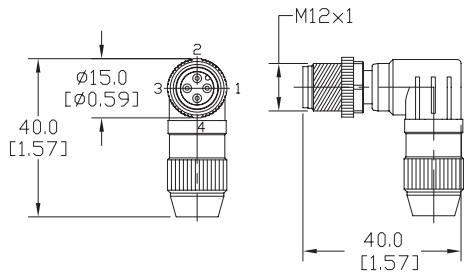
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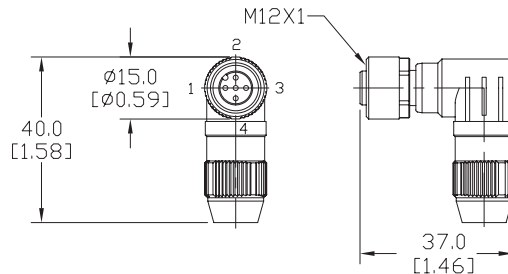
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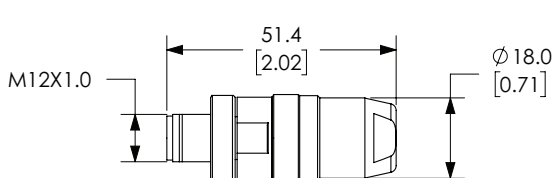
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7000-12681-0000000



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