

# Field Wireable Connectors



## Features and Selection Guides

- M8 and M12 connectors
- IDC (insulation displacement connection) allows quick termination without stripping conductors
- IP67 rated once properly assembled
- Various cable gauges and diameters accepted



**Field Wireable M8 Insulation Displacement (IDC) Connectors Selection Table**

Part Number	Price	Voltage	Poles	Connector Type	Conductor Wire	Housing Material	Outside Cable Diameter
7000-08321-0000000	\$8.50	32 VAC/VDC	3	Axial male	20 to 24 AWG (0.5 to 0.25 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	32 VAC/VDC	4				
7000-08361-0000000	\$8.75	32 VAC/VDC	3	Axial female			
7000-08381-0000000	\$9.25	32 VAC/VDC	4				
7000-08331-0000000	\$9.25	32 VAC/VDC	3	Axial male	22 to 26 (0.34 to 0.14 mm <sup>2</sup> )	Polyamide (PA)	2.5 to 5.1 mm (0.098 to 0.20 in)
7000-08351-0000000	\$9.75	32 VAC/VDC	4				
7000-08371-0000000	\$9.50	32 VAC/VDC	3	Axial female			
7000-08391-0000000	\$10.00	32 VAC/VDC	4				

**Field Wireable M12 Insulation Displacement (IDC) Connectors Selection Table**

Part Number	Price	Voltage	Poles	Connection Type	Conductor Wire	Housing Material	Outside Cable Diameter
7000-12481-0000000	\$7.75	32 VAC/VDC	4	Axial male	20 to 24 AWG (0.5 to 0.25 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	32 VAC/VDC		Axial female			
7000-12491-0000000	\$9.00	32 VAC/VDC		Axial male	22 to 26 AWG (0.34 to 0.14 mm <sup>2</sup> )	Polyamide (PA)	2.9 to 5.1 mm (0.114 to 0.20 in)
7000-12611-0000000	\$10.00	32 VAC/VDC		Axial female			
7000-12561-0000000	\$11.00	32 VAC/VDC		Right-angle male	20 to 24 AWG (0.5 to 0.25 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	32 VAC/VDC		Right-angle female			

**Field Wireable M12 Screw Connectors Selection Table**

Part Number	Price	Voltage	Poles	Connection Type	Conductor Wire	Housing Material	Outside Cable Diameter
7000-12701-0000000	\$7.00	250 VAC/VDC	4	Axial male	18 AWG (0.75 mm <sup>2</sup> ) max.	Polyamide (PA)	4 to 6 mm (0.157 to 0.236 in)
7000-12721-0000000	\$8.75	125 VAC/VDC	5	Axial male			
7000-12901-0000000	\$7.00	250 VAC/VDC	4	Axial female			
7000-12921-0000000	\$8.75	125 VAC/VDC	5	Axial female			
7000-12741-0000000	\$7.00	250 VAC/VDC	4	Axial male			
7000-12761-0000000	\$8.75	125 VAC/VDC	5	Axial male			6 to 8 mm (0.236 to 0.315 in)
7000-12941-0000000	\$7.00	250 VAC/VDC	4	Axial female			
7000-12961-0000000	\$8.75	125 VAC/VDC	5	Axial female			
7000-12821-0000000	\$7.00	250 VAC/VDC	4	Right-angle male			
7000-12981-0000000	\$7.00	250 VAC/VDC	4	Right-angle female			
7000-17301-0000000	\$20.00	60 VAC/VDC	8	Axial male	20 AWG (0.5 mm <sup>2</sup> ) max.	PUR	6 to 8 mm (0.236 to 0.315 in)
7000-17311-0000000	\$20.00	60 VAC/VDC	8	Right-angle male			
7000-17321-0000000	\$20.00	60 VAC/VDC	8	Axial female			
7000-17331-0000000	\$20.00	60 VAC/VDC	8	Right-angle female			
<b>Shielded</b>							
7000-13321-0000000	\$18.00	125 VAC/VDC	5	Axial male	18 AWG (0.75 mm <sup>2</sup> ) max.	CuZn Nickel Plated	6 to 8 mm (0.236 to 0.315 in)
7000-13361-0000000	\$24.00	125 VAC/VDC	5	Right-angle male			
7000-17341-0000000	\$24.00	60 VAC/VDC	8	Axial male	20 AWG (0.5 mm <sup>2</sup> ) max.		

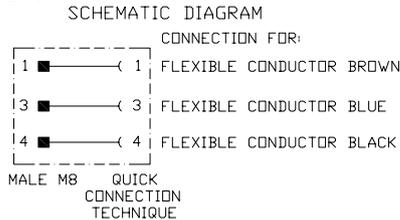
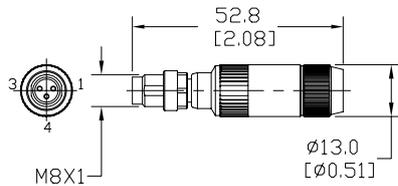
# Field Wireable Connectors

Field Wireable Connectors Specifications						
Connection	Insulation Displacement Connection				Screw Connection	
	M8		M12		M12	
Outside Cable Diameter (mm)	4 to 5.1	2.5 to 5.1	2.9 to 5.1	4 to 5.1	4.0 to 6.0	6.0 to 8.0
Nominal Voltage	32 VAC/VDC				4-pin: 250 volts 5-pin: 125 volts	4-pin: 250 volts 5-pin: 125 volts 8-pin: 60 volts
Current (max)	4-pole: 3A; 3-pole: 4A		4A		4A	4-pin and 5-pin: 4A 8-pin: 2A
Temperature	-25° to 85°C (13° to 185°F)					
Environmental Protection	IP67					
Isolation Materials	(Recommended conductor insulation) PVC/PP/TPE PolyVinyl Chloride/Polypropylene/Thermoplastic Elastomer				N/A	
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.]		N/A	
Isolation Resistance	Category III per IEC 60664-1					
Screw	N/A				M2.5x0.45 mm. torque to 40 Nm (3.54 in.lb)	
Weight	0.03 oz (13.61 g)	0.04 oz (18.14 g)	0.05 oz (22.68 g)	0.06 oz (27.21 g)	0.05 oz (22.68 g)	0.06 oz (27.21 g)
Agency Approvals	UL Recognized. File E224242					

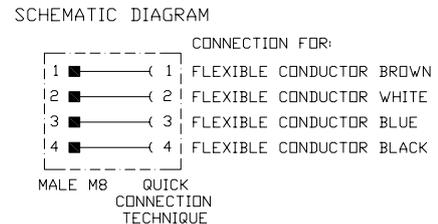
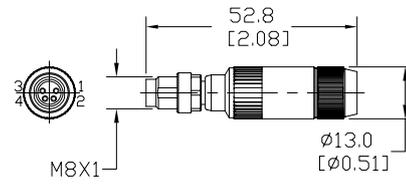
LEGEND
■ MALE PIN ON CONNECTOR
○ FEMALE PIN ON CONNECTOR
( FIELD CONNECTION TERMINAL

## Dimensions mm [inches]

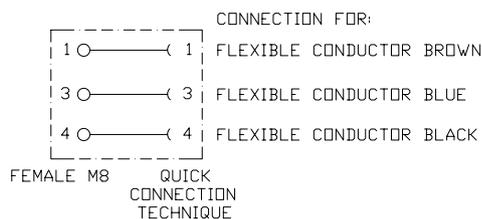
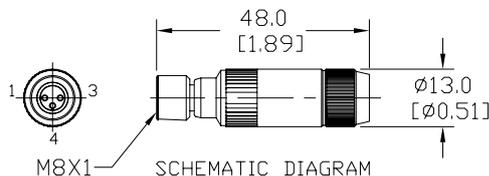
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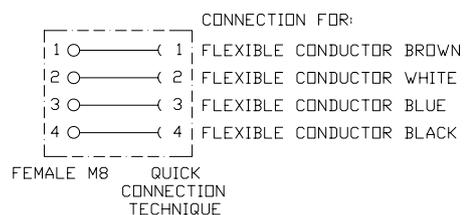
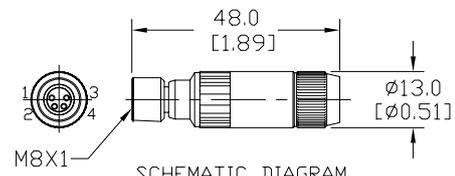
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### 7000-08361-000000



### 7000-08381-000000

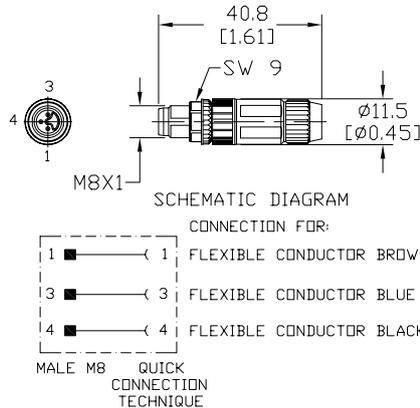


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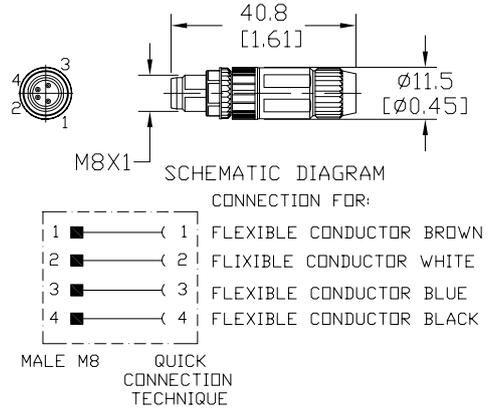
## Dimensions mm [inches]

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

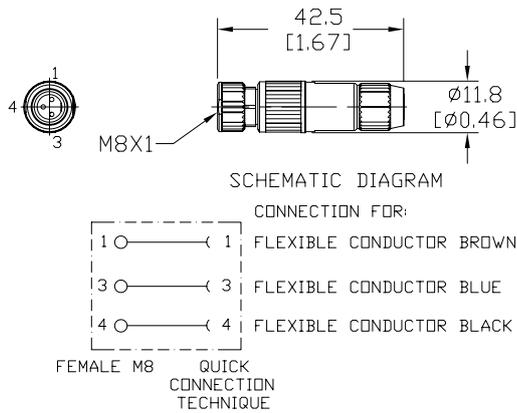
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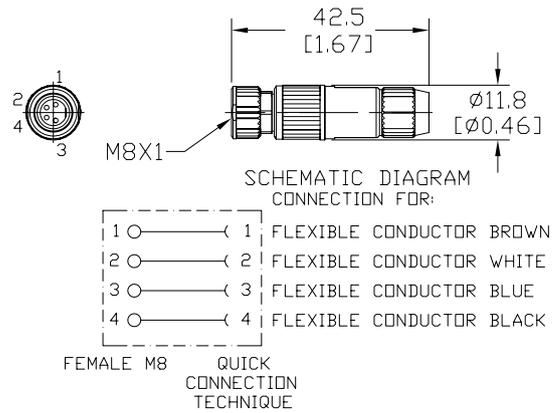
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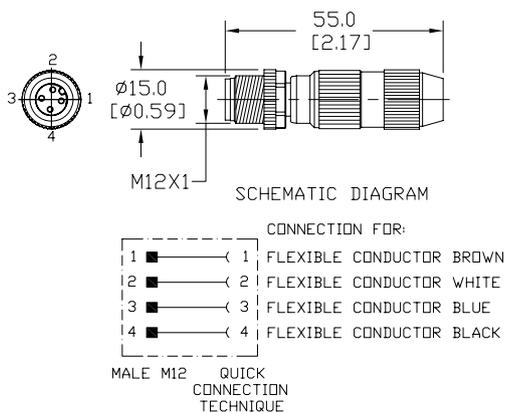
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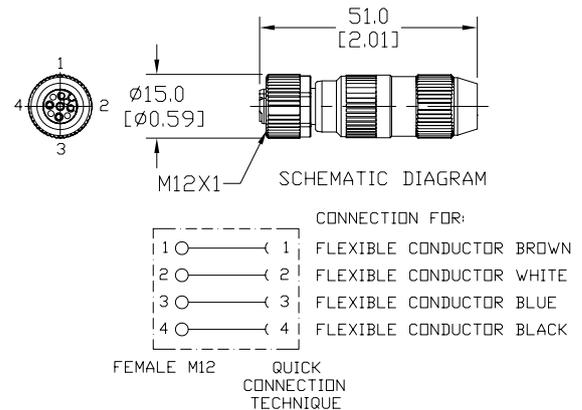
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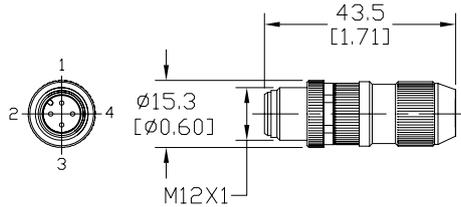


# Field Wireable Connectors

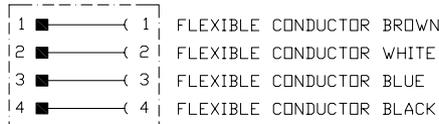
Dimensions mm [inches]

LEGEND	
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○	FEMALE PIN ON CONNECTOR
(	FIELD CONNECTION TERMINAL

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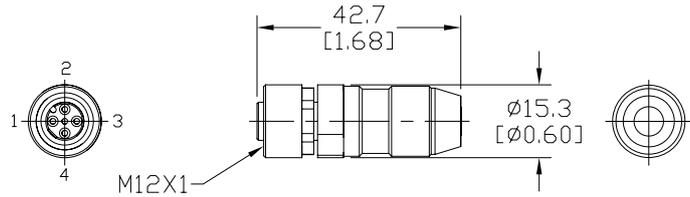


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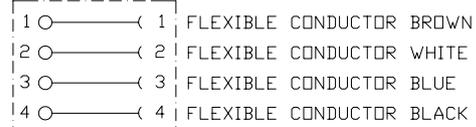


MALE M12 QUICK CONNECTION TECHNIQUE

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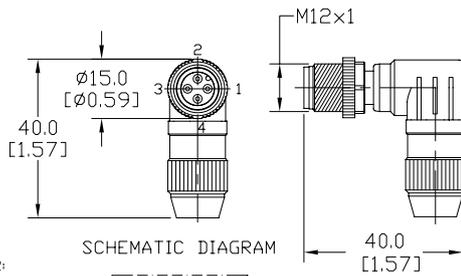


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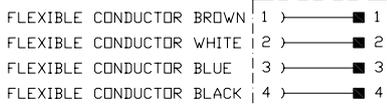
FEMALE M12 QUICK CONNECTION TECHNIQUE

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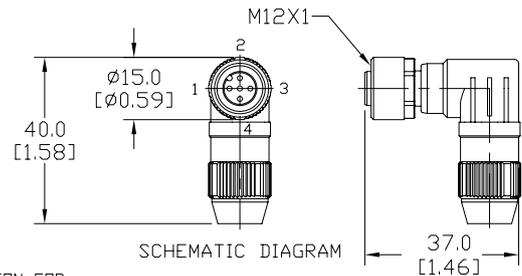
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CONNECTION FOR:



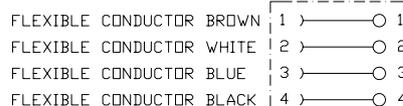
MALE M12 QUICK CONNECTION TECHNIQUE

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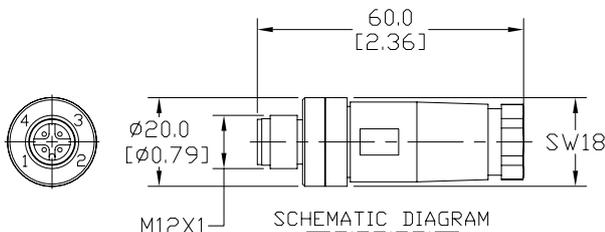
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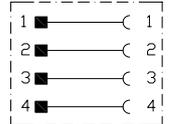


FEMALE M12 QUICK CONNECTION TECHNIQUE

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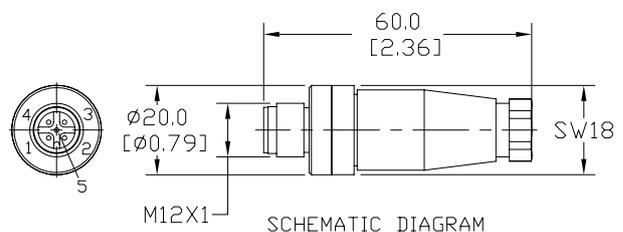


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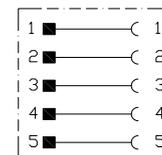


MALE M12 SCREW CONNECTION TECHNIQUE

## 7000-12721-00000



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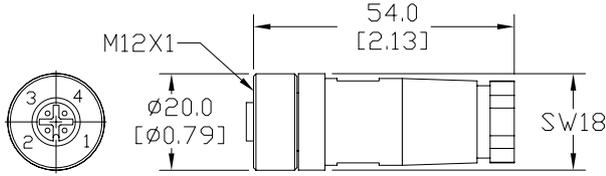
MALE M12 SCREW CONNECTION TECHNIQUE

# Field Wireable Connectors

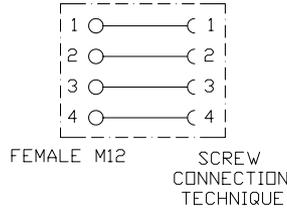
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○	FEMALE PIN ON CONNECTOR
(	FIELD CONNECTION TERMINAL

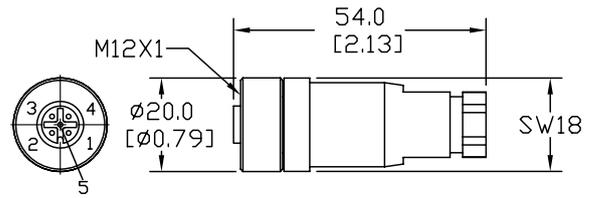
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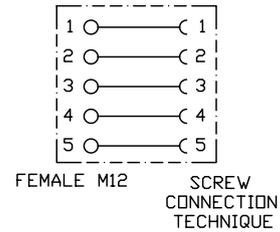
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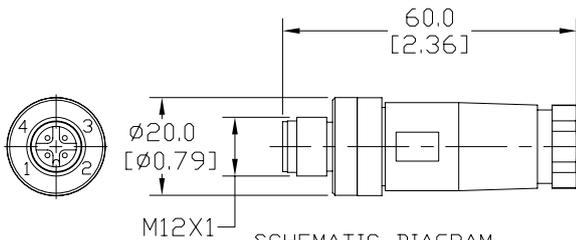
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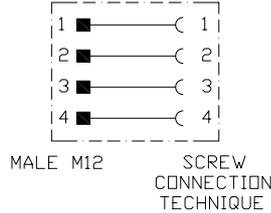
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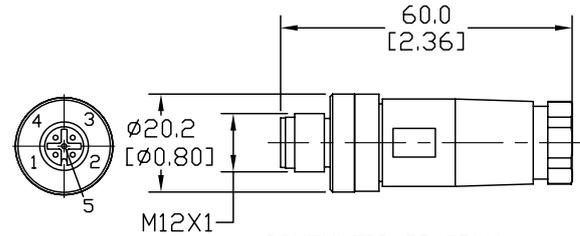
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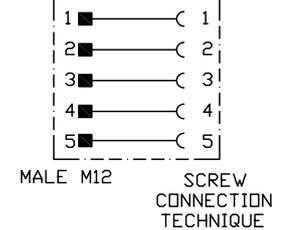
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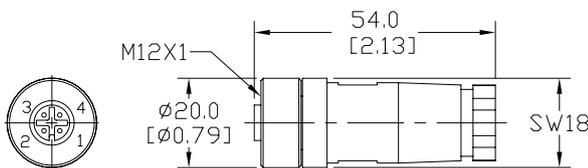
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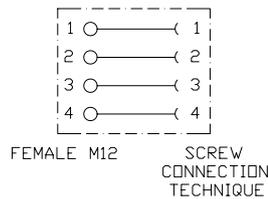
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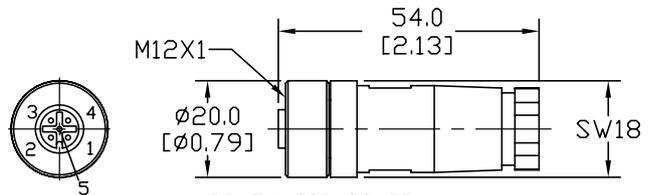
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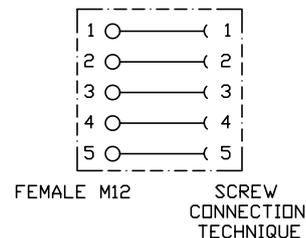
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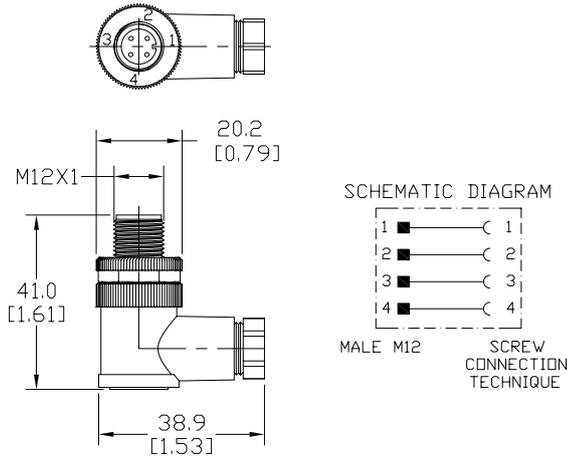


# Field Wireable Connectors

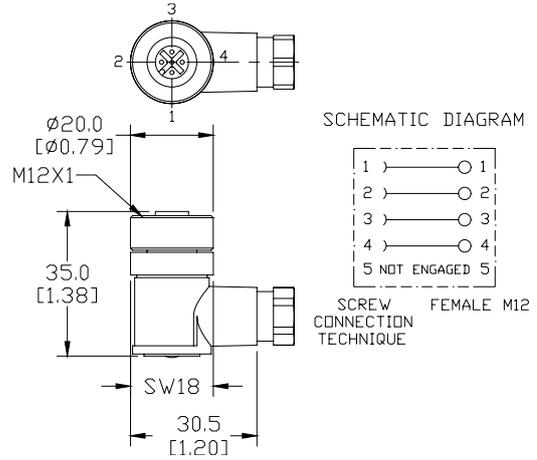
**Dimensions** mm [inches]

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○	FEMALE PIN ON CONNECTOR
(	FIELD CONNECTION TERMINAL

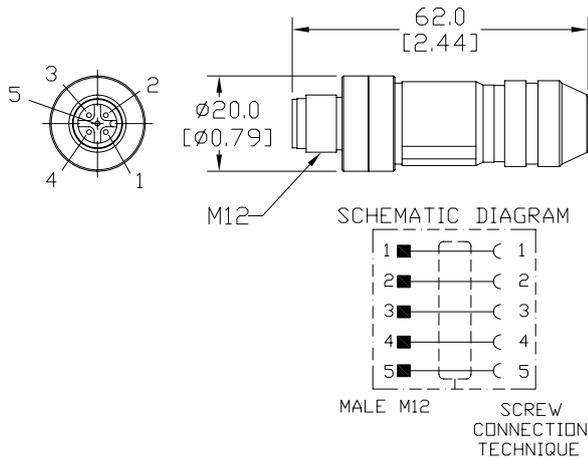
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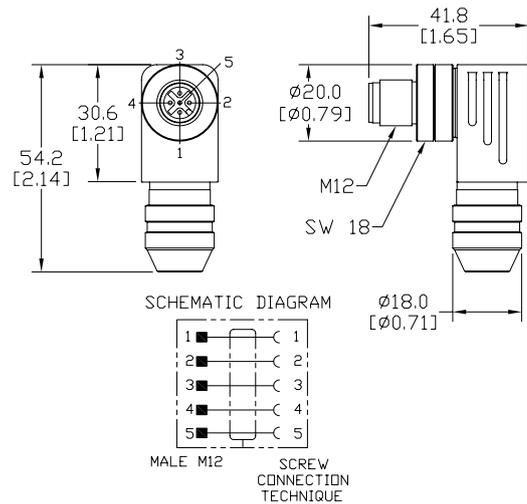
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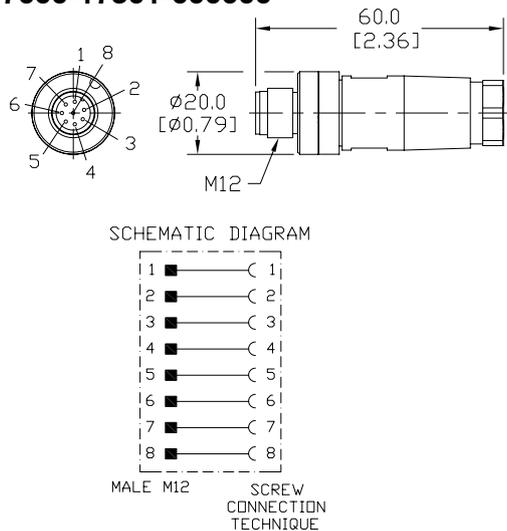
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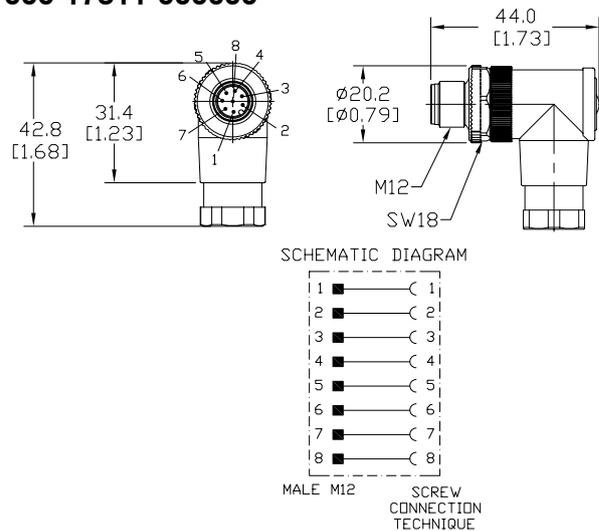
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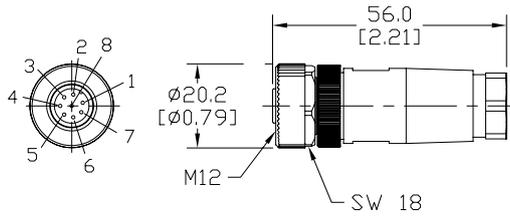


# Field Wireable Connectors

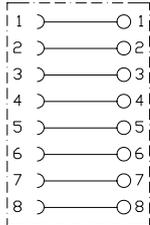
## Dimensions mm [inches]

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

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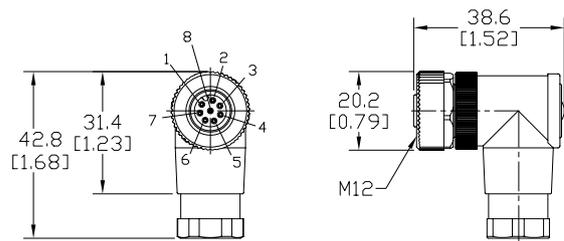


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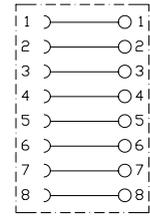


SCREW CONNECTION TECHNIQUE FEMALE M12

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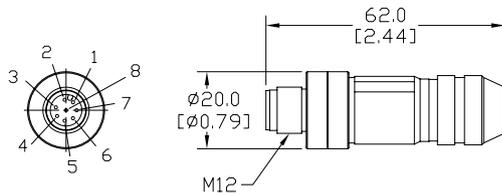


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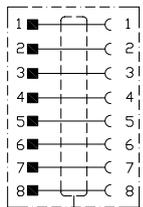


SCREW CONNECTION TECHNIQUE FEMALE M12

### 7000-17341-000000



SCHEMATIC DIAGRAM



MALE M12 SCREW CONNECTION TECHNIQUE