

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 | | 3 | 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] |
| 7000-08341-0000000 | | 4 | | | | |
| 7000-08361-0000000 | | 3 | Axial female | | | |
| 7000-08381-0000000 | | 4 | | | | |
| 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 | |

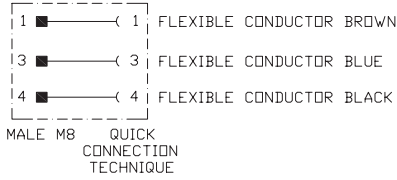
To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

Field Wireable Connectors

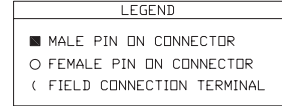
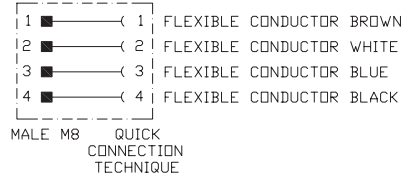
M8 IDC Connectors Dimensions and Wiring

Wiring Diagrams

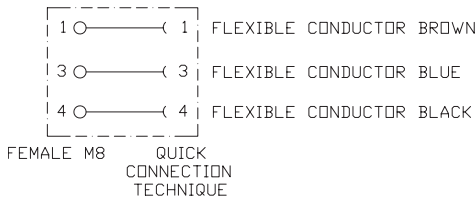
3-Pole Male Connector



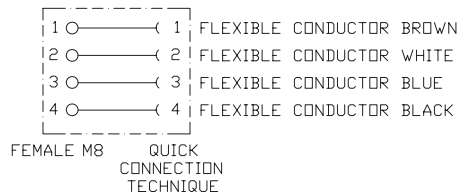
4-Pole Male Connector



3-Pole Female Connector

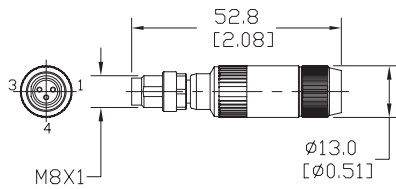


4-Pole Female Connector

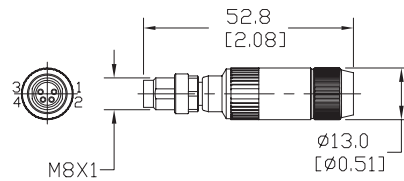


Dimensions mm [in]

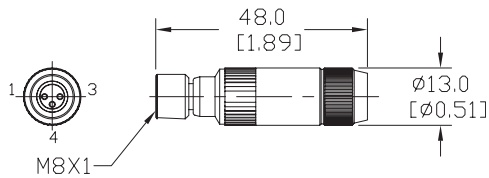
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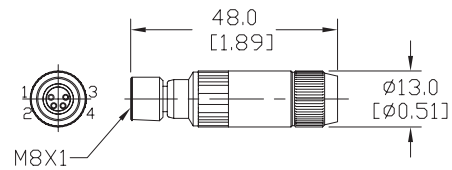
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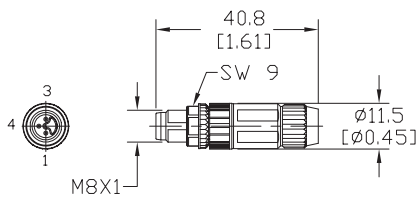
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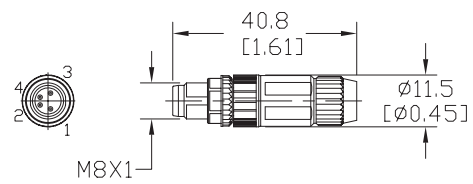
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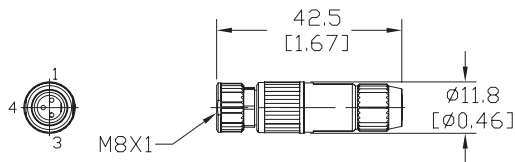
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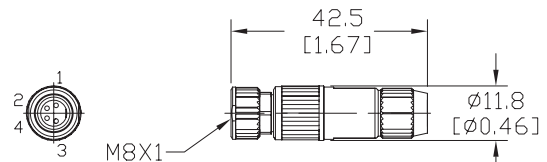
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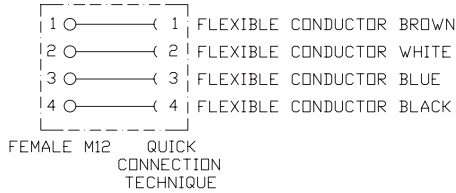


Field Wireable Connectors

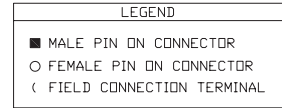
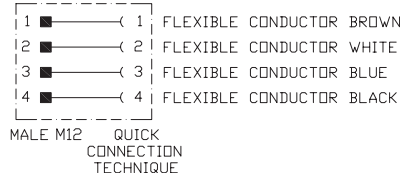
M12 IDC Connectors Dimensions and Wiring

Wiring Diagrams

4-Pole Female Connector

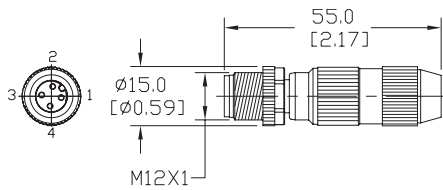


4-Pole Male Connector

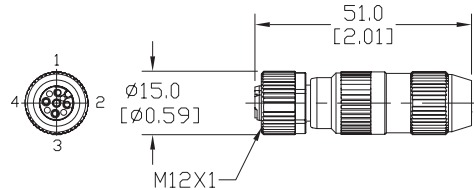


Dimensions mm [in]

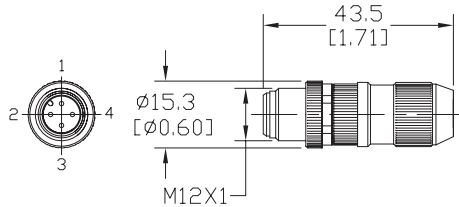
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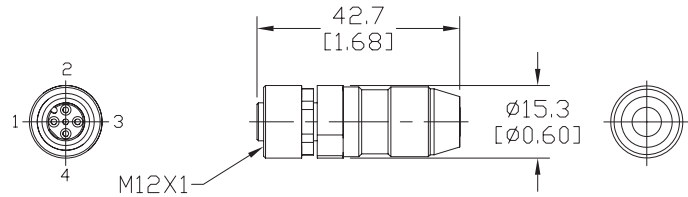
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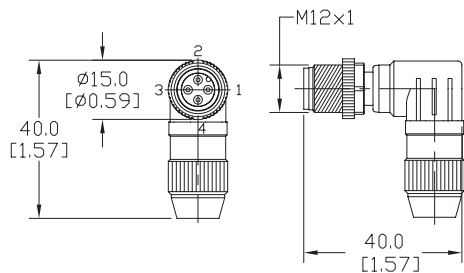
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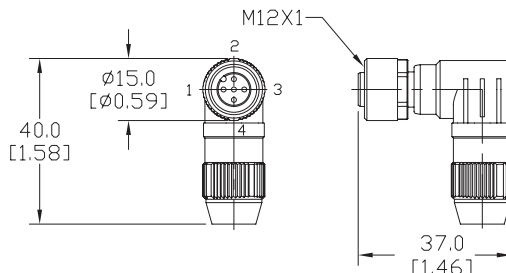
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