

Connection Cables - Sensor and Signal

M12 A-coded Male to Female Cables

Features

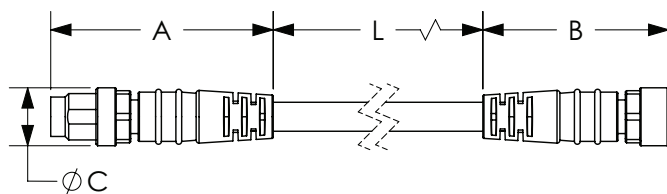
- Industry standard M12 screw-lock connectors
- One male and one female connector
- Axial and 90-degree connector models
- 1m [3.28 ft] and 3m [9.84 ft] cable lengths
- PVC (polyvinyl chloride) jacketed cable for general use and chemical washdown applications, ex. food & beverage industry
- PUR (polyurethane) jacketed cable for applications with exposure to oil and dynamic applications requiring more flexibility
- PP (polypropylene) wire insulation for low temperature applications



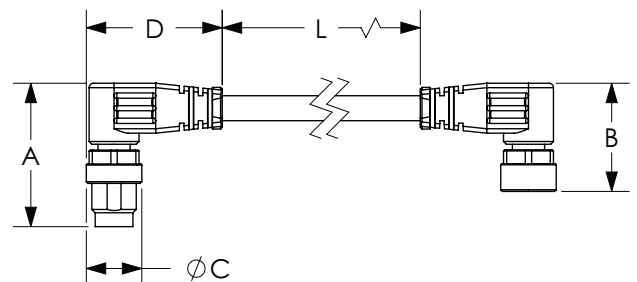
| M12 A-coded Male to Female Cables | | | | | | | | | | |
|------------------------------------|---------|-----------------|----------------------------------|--|-----------------|------------|----|----|----|---------|
| Part Number | Price | Number of Wires | Connectors | Cable Jacket/ Wire Insulation Material | Jacket Color | Dimensions | | | | |
| | | | | | | A | B | C | D | L |
| | | | | | | mm | | | | m [ft] |
| CDP12-0B-010-AA | \$11.00 | 4 | Axial male, axial female | PVC/PVC | Gray | 41 | 38 | 15 | - | 1 [3.3] |
| CDP12-0B-010-BB | \$11.00 | | 90-degree male, 90-degree female | | | 31 | 28 | 15 | 39 | |
| CDP12-0B-030-AA | \$11.00 | | Axial male, axial female | | | 41 | 38 | 15 | - | 3 [9.8] |
| CDP12-0B-030-BB | \$12.50 | | 90-degree male, 90-degree female | | | 31 | 28 | 15 | 39 | |
| 7000-40021-0340100 | \$10.00 | | Axial male, axial female | PUR/PP | Yellow | 41 | 38 | 15 | - | 1 [3.3] |
| 7000-40261-0340100 | \$13.00 | | 90-degree male, 90-degree female | PUR/PP | | 31 | 28 | 15 | 39 | |
| 7000-40021-0340300 | \$14.00 | | Axial male, axial female | PUR/PP | | 41 | 38 | 15 | - | 3 [9.8] |
| 7000-40261-0340300 | \$16.00 | | 90-degree male, 90-degree female | PUR/PP | | 31 | 28 | 15 | 39 | |
| 7000-40041-0350100 | \$17.00 | 5 | Axial male, axial female | PUR/PP | Gray | 41 | 38 | 15 | - | 1 [3.3] |
| 7000-40041-0350300 | \$21.00 | | Axial male, axial female | PUR/PP | | 41 | 38 | 15 | - | 3 [9.8] |
| 7000-40041-2150100 | \$16.50 | | Axial male, axial female | PUR/PVC | Gray | 41 | 38 | 15 | - | 1 [3.3] |
| 7000-40041-2150300 | \$20.50 | | Axial male, axial female | | | 41 | 38 | 15 | - | 3 [9.8] |

Dimensions

2 Axial - 1 male to 1 female



2 90-degree - 1 male to 1 female



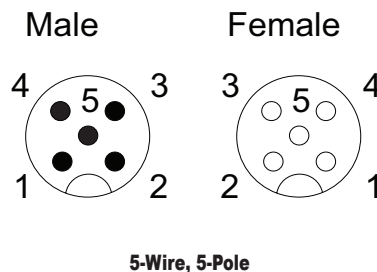
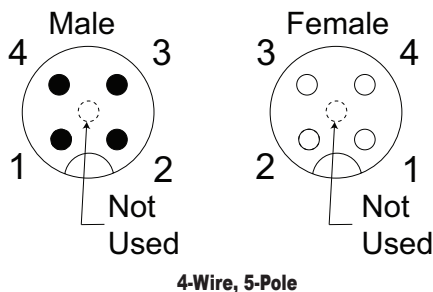
See our website: www.AutomationDirect.com for complete engineering drawings.

Connection Cables - Sensor and Signal

| M12 A-coded Male to Female Cables Specifications | | | |
|---|---|---|--|
| Model | CDP12 Series | 7000 Series | |
| Type | 4-Wire, 5-Pole | 4-Wire, 5-Pole | 5-Wire, 5-Pole |
| Max Voltage | 250 VAC/VDC | | 125 VAC/VDC |
| Max Voltage - UL Rating | 30 VAC/VDC | | |
| Max Current | 4A | | |
| Protection Degree | IP65 / IP66K / IP67 | | IP67 |
| Nut Material | Male threads are nickel plated brass; Female threads are nickel plated die cast zinc | | |
| Jacket/Wire Insulation Material | PVC/PVC | PVC/PVC or PUR-PVC/PVC or PUR/PP or PUR/PVC | |
| Contacts Material | Copper Alloy | | |
| Tightening Torque | ≤ 0.6 N·m [≤ 0.44 ft·lbs] | | |
| Conductors Cross Section | 0.34 mm ² [22AWG] | | |
| Ø Outer Cable For PUR-PVC/PVC or PUR/PVC or PVC/PVC | 5.0 mm [0.20 in] | 5.2 mm [0.20 in] | PUR-PVC/PVC 5.9 mm [0.23 in] PVC/PVC 5.2 mm [0.20 in] |
| Ø Outer Cable For PUR/PP | N/A | 4.5 mm [0.18 in] | 4.8 mm [0.19 in] |
| Temperature Range - Stationary Use | PUR/PP -40 to 80°C [-40 to 176°F], PVC/PVC or PUR-PVC/PVC -25 to 80°C [-13 to 176°F] | | |
| Temperature Range - Flexible Use | PUR/PP -25 to 80°C [-13 to 176°F], PVC/PVC or PUR/PVC -5 to 80°C [23 to 176°F] | | |
| Min Bend Radius | Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter | | |
| Approvals* | CE, cCSAus | cULus, CE, UKCA, cCSAus | |

*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



Wiring Diagrams

