

# Connection Cables - Sensor and Signal

## M8 A-coded Male to Female Cables

### Features

- Industry standard M8 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

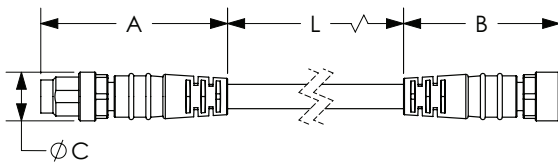


### M8 A-Coded Male to Female Cables

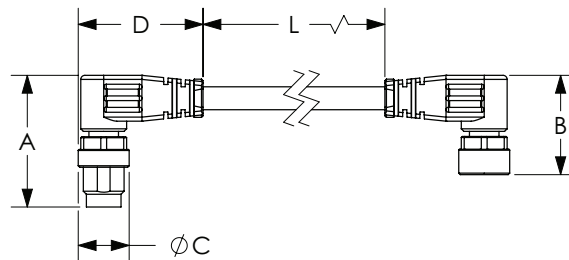
| Part Number                        | Price   | Number of Wires | Connectors                       | Cable Jacket/<br>Wire Insulation<br>Material | Jacket<br>Color | Dimensions |    |    |    |          |
|------------------------------------|---------|-----------------|----------------------------------|----------------------------------------------|-----------------|------------|----|----|----|----------|
|                                    |         |                 |                                  |                                              |                 | A          | B  | C  | D  | L        |
|                                    |         |                 |                                  |                                              |                 | mm         |    |    |    | m [ft]   |
| <a href="#">CDP08-0A-010-AA</a>    | \$11.00 | 3               | Axial male, axial female         | PVC/PVC                                      | Gray            | 39         | 32 | 10 | –  | 1 [3.28] |
| <a href="#">CDP08-0A-010-BB</a>    | \$11.00 |                 | 90-degree male, 90-degree female |                                              |                 | 26         | 20 | 10 | 25 |          |
| <a href="#">CDP08-0A-030-AA</a>    | \$12.50 |                 | Axial male, axial female         |                                              |                 | 39         | 32 | 10 | –  | 3 [9.84] |
| <a href="#">CDP08-0A-030-BB</a>    | \$11.00 |                 | 90-degree male, 90-degree female |                                              |                 | 26         | 20 | 10 | 25 |          |
| <a href="#">7000-88001-0300100</a> | \$11.00 |                 | Axial male, axial female         | PUR/PP                                       |                 | 39         | 32 | 10 | –  | 3 [9.84] |
| <a href="#">7000-88081-0300100</a> | \$11.00 |                 | 90-degree male, 90-degree female | PUR/PP                                       |                 | 26         | 20 | 10 | 25 |          |
| <a href="#">7000-88001-0300300</a> | \$13.00 |                 | Axial male, axial female         | PUR/PP                                       |                 | 39         | 32 | 10 | –  |          |
| <a href="#">7000-88081-0200300</a> | \$12.00 |                 | 90-degree male, 90-degree female | PUR/PVC                                      |                 | 26         | 20 | 10 | 25 |          |
| <a href="#">7000-88081-0300300</a> | \$13.00 |                 | 90-degree male, 90-degree female | PUR/PP                                       |                 | 26         | 20 | 10 | 25 |          |
|                                    |         |                 |                                  |                                              |                 |            |    |    |    |          |
|                                    |         |                 |                                  |                                              |                 |            |    |    |    |          |
|                                    |         |                 |                                  |                                              |                 |            |    |    |    |          |
|                                    |         |                 |                                  |                                              |                 |            |    |    |    |          |
|                                    |         |                 |                                  |                                              |                 |            |    |    |    |          |

### Dimensions

2 Axial - 1 male to 1 female



2 90-degree - 1 male to 1 female



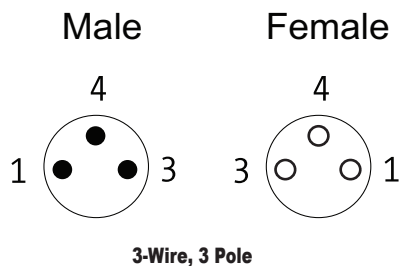
See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

# Connection Cables - Sensor and Signal

| M8 A-coded Male to Female Cables Specifications |                                                                                  |                         |
|-------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|
| Model                                           | CDP08 Series                                                                     | 7000 Series             |
| Type                                            | 3-Wire, 3-Pole                                                                   | 3-Wire, 3-Pole          |
| Max Voltage                                     | 50VAC / 60VDC                                                                    |                         |
| Max Voltage - UL Rating                         | 30 VAC/VDC                                                                       |                         |
| Max Current                                     | 4A                                                                               |                         |
| Protection Degree                               | IP65 / IP66K / IP67                                                              |                         |
| Nut Material                                    | Nickel plated Zinc                                                               |                         |
| Cable Jacket/Wire Insulation Material           | PVC/PVC                                                                          | PUR/PVC or PUR/PP       |
| Contacts Material                               | Copper Alloy                                                                     |                         |
| Tightening Torque                               | ≤ 0.4 N·m [≤ 0.34 ft-lb]                                                         |                         |
| Conductors Cross Section                        | 0.25 mm <sup>2</sup> [24AWG]                                                     |                         |
| Ø Outer Cable For PUR/PVC or PVC/PVC            | 4.5 mm [0.18 in]                                                                 |                         |
| Ø Outer Cable For PUR/PP                        | N/A                                                                              | 4.1 mm [0.16 in]        |
| Temperature Range - Stationary Use              | PUR/PP -40 to 80°C [-40 to 176°F], PVC/PVC or PUR/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 -5C to 80°C [23 to 176°F]  |                         |
| Min Bend Radius                                 | Stationary use: 5 x cable diameter;<br>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 Diagram



## Wiring Diagram

