



stay connected

Field Wireable Connectors - Data

Shielded M12 D-coded Connectors

Features

- IP65/IP67 protection rating
- Ethernet Cat5
- Mounting nuts included



7000-14801-0000000



7000-14811-0000000

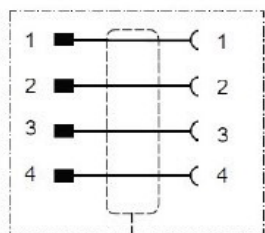
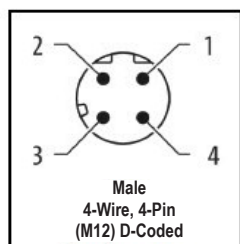
| Shielded M12 D-coded Connectors Selector Table | | | | | | | |
|--|---------|-----------------------|----------------------------------|---|-------------------------------|------------------------------|---------------------|
| Part Number | Price | Number of Wires, Pins | Connection Type | Conductor Size | Terminal Connection | Cable Ø Range | Drawing Link |
| 7000-14521-0000000 | \$35.50 | 4-Wire, 4-Pin | Axial male with male threads | 26–22 AWG [0.14–0.34 mm ²] | Insulation displacement (IDC) | 4.5–8.8 mm [0.18–0.35 in] | PDF |
| 7000-14621-0000000 | \$41.00 | | Axial female with female threads | | | | PDF |
| 7000-14581-0000000 | \$29.50 | | 90-degree male with male threads | 22–18 AWG [0.34–0.75 mm ²] max | Screw | 6–8mm [0.23–0.31 in] | PDF |
| 7000-14801-0000000 | \$20.00 | | Axial male with male threads | 26–18AWG [0.14–0.75 mm ²] | Push-lock spring clamp | 4–8mm [0.15– 0.31 in] | PDF |
| 7000-14811-0000000 | \$37.00 | | 90-degree male with male threads | | | | PDF |

| Shielded M12 D-coded Connectors | | | | |
|---------------------------------|------------------------------|-----------------------------|---------------|---------------|
| Coding | D-coded | | | |
| Model | 14521, 14621 | 14581 | 14801 | 14811 |
| Max. Voltage | 32 VAC/VDC | 250 VAC/VDC | 60VDC | |
| Max. Current per Contact | 4A | | | |
| Transmission Type | Cat5 | | | |
| Bandwidth | 100 MBit/s | 100 MHz | | |
| Temperature Range | -25 to 85°C [-13 to 185°F] | 40 to 85°C [-40 to 185°F] | | |
| Protection Degree | IP65, IP67 | IP67 | IP65, IP67 | |
| Housing Material | Polypropylene (PP) | Nickel plated zinc die cast | | |
| Locking Material | Zinc die-cast, nickel-plated | | | |
| Weight | 1.90 oz [54g] | 0.03 oz [67g] | 1.34 oz [38g] | 1.41 oz [40g] |
| Approvals* | cURus E224242 | | cULus E325311 | |

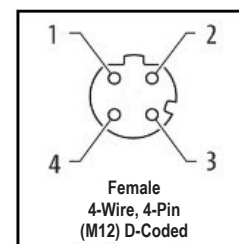
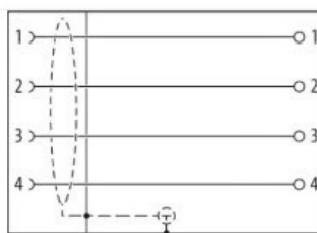
*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Pin Assignments

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

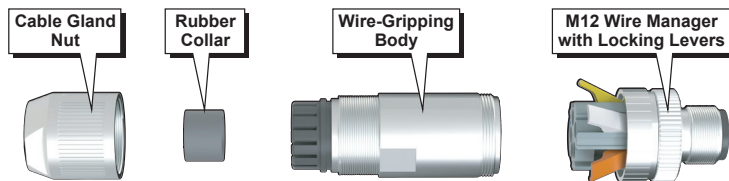


- Yellow (TD+)
- White (RD+)
- Orange (TD-)
- Blue (RD-)
- Shield



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Assembly Instructions for M12 D-coded Push-lock Spring Clamp Connectors



| | | |
|---|---|---|
| <p>1 Before stripping cable jacket, install cable gland nut, rubber collar, and wire-gripping body on cable.</p> | <p>2 Remove 29mm of outer jacket from cable, trim braided shield to 12mm, and strip 7mm of insulation from individual wires.</p> | <p>3 Wrap the braided shield with the provided 2-sided metal foil tape.</p> |
| <p>4 Prepare the M12 wire manager using a small screwdriver or fingernail to pry open each locking lever.</p> | <p>5 Insert individual wires into the M12 wire manager.</p> | <p>6 Close the locking levers and complete the assembly of all components.</p> |
| <p>7 Hand-tighten or use 16mm wrench to tighten wire-gripping body and M12 wire manager.</p> | <p>8 Hand-tighten or use 13mm wrench to tighten cable gland nut and wire-gripping body.</p> | <p>9 Assembly complete.</p> |