

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	\$-1n18:	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	\$-1n19:		Axial female with female threads				PDF
7000-14581-0000000	\$-1n1a:		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	\$6b12:		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	\$6b0_:		90-degree male with male threads				PDF

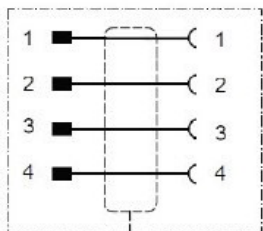
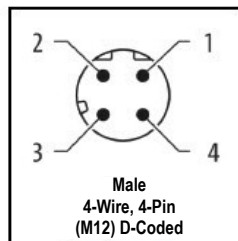
Shielded M12 D-coded Connectors

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		

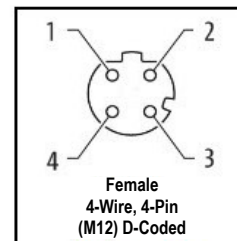
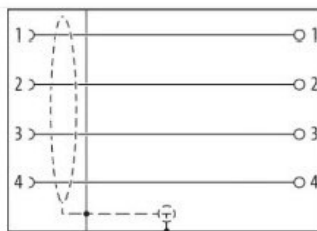
*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Pin Assignments

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

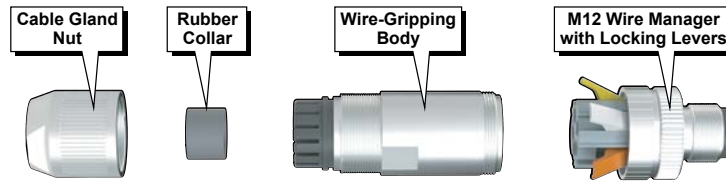


Yellow (TD+)
White (RD+)
Orange (TD-)
Blue (RD-)
Shield



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



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