

M12 EtherNet



Field Attachable

Specifications

Mechanical	
Coupling Nut	Zinc die-cast
Connector Shell Material	Zinc die-cast or polyamide
Contacts	Gold-plated palladium nickel
Maximum IDC Installation	10 times
Conductor Outside Diameter	Unshielded: 26 AWG–22 AWG: 1.0...1.6 mm (0.04...0.063) 24 AWG–22 AWG: 1.2...1.6 mm (0.04...0.063 in)
Electrical	
Assembly Rating	32V, 4 A
Environmental	
Enclosure Type Rating	IP67
Operating Temperature—C (F)	-25...85° (-13...185°)
Installation Temp.—C (F)	-5...50° (23...185°)

Features

- Field installable with no hand tools needed
- Straight male or female shielded versions
- Allows easy modification of existing cable installations
- Insulation displacement technology for secure and reliable installation
- Metal body unit excellent in shielding applications

Dimensions—mm (in)

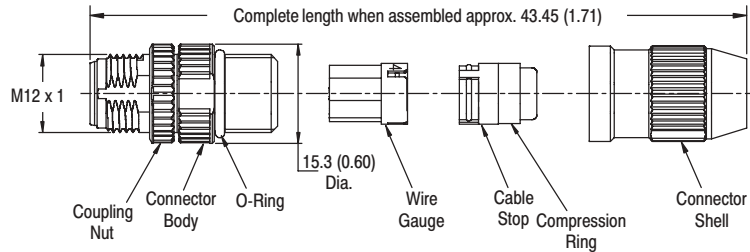
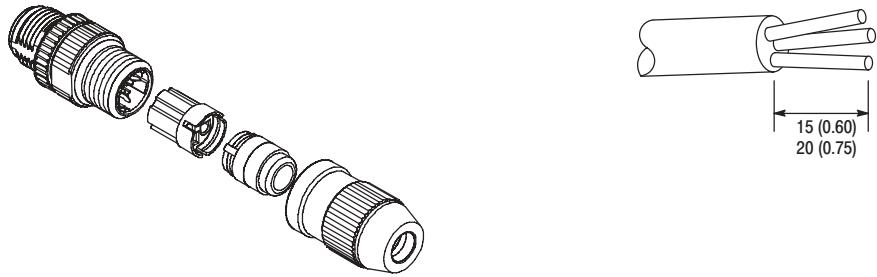


Figure A

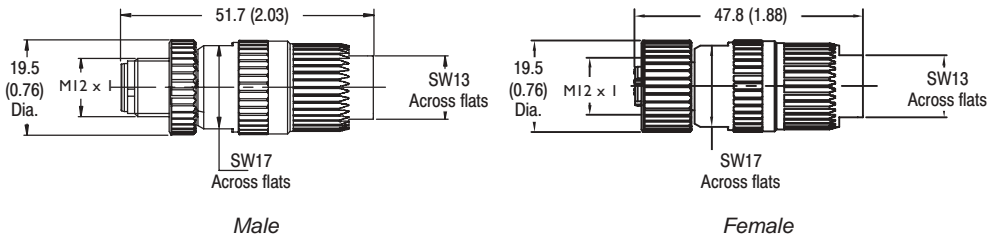
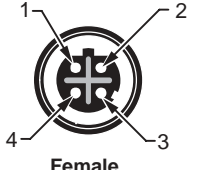
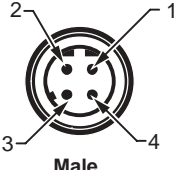


Figure B

Pinout and Color Code

Face View Pinout					
4-Pin					
 <p>Female</p>	 <p>Male</p>				
Color Code	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>1 Yellow</td> <td>3 Orange</td> </tr> <tr> <td>2 White</td> <td>4 Blue</td> </tr> </table>	1 Yellow	3 Orange	2 White	4 Blue
1 Yellow	3 Orange				
2 White	4 Blue				
A					

Product Selection

Pin Count	Connector Body	Cable Jacket Diameter—mm (in)	Wire Size	Assembly Rating	Dimensions	Cat. No.	
						Straight Female	Straight Male
4-Pin	Polyamide Small body unshielded	4.0...5.1 (0.16...0.20)	26...22 AWG	32V 4 A	Figure A	—	1585D-M4DC-H
	Zinc die-cast Large body shielded	5.5...7.2 (0.22...0.28)	24...22 AWG		Figure B	1585D-F4DC-SH	1585D-M4DC-SH