

M12 MQDC1-8xx Cordsets (8-pin Female)



Datasheet



- M12 female to flying leads, eight conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight and right-angle connector options

Models

8-Pin Threaded M12 Cordsets—Single Ended				
Model	Length	Style	Dimension	Pinout (Female)
MQDC1-803	1 m (3.2 ft)	Straight		
MQDC1-806	2 m (6.5 ft)			
MQDC1-815	5 m (16.4 ft)			
MQDC1-830	9 m (29.5 ft)			
MQDC1-850	15 m (49.2 ft)			

- | | |
|------------|----------|
| 1 = White | 5 = Gray |
| 2 = Brown | 6 = Pink |
| 3 = Green | 7 = Blue |
| 4 = Yellow | 8 = Red |

8-Pin Threaded M12 Cordsets—Single Ended				
Model	Length	Style	Dimension	Pinout (Female)
MQDC1-806RA	2 m (6.5 ft)	Right-Angle		
MQDC1-815RA	5 m (16.4 ft)			
MQDC1-830RA	9 m (29.5 ft)			
MQDC1-850RA	15 m (49.2 ft)			

- | | |
|------------|----------|
| 1 = White | 5 = Gray |
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Specifications

Current Rating
2 A

Voltage Rating
30 V

Minimum Bend Radius
>10× the outside diameter

AWG
24 AWG

Outer Diameter
5.59 mm

Coding
A

Connections
Integral 8-pin M12 female quick disconnect

Construction
Coupling nut material: Nickel-plated brass
Contact carrier: Black nylon
Connector body: Black PUR
Jacket material: Black PVC

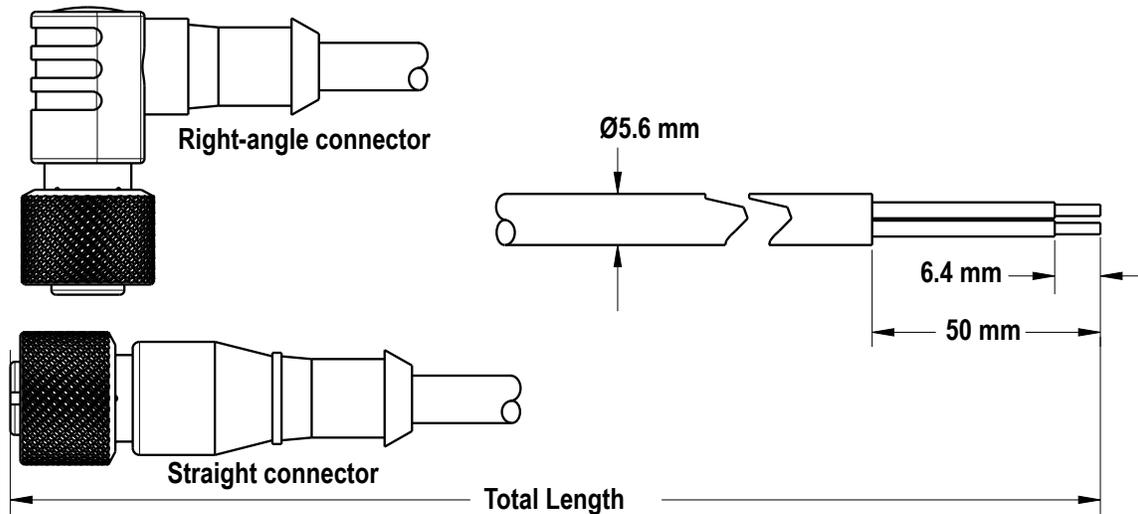
Vibration and Mechanical Shock
Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)
Meets IEC 60068-2-27 requirements (Shock: 30G 11 ms duration, half sine wave)

Operating Conditions
Operating temperature: -40 °C to +70 °C (-40 °F to +158 °F)
Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)
90% at +50 °C maximum relative humidity (non-condensing)

Environmental Rating
IP66, IP67, IP68
NEMA 1, UL Type 1



Figure 1. Wire dimensions



For more details about the connector, see [Models](#) on page 1.

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