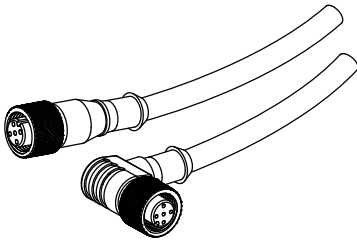


M12 MQDC1-5xx Cordsets (5-pin Female)



Datasheet

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



Models

5-Pin Threaded M12 Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC1-501.5	0.5 m (1.5 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
MQDC1-503	0.9 m (2.9 ft)			
MQDC1-506	2 m (6.5 ft)			
MQDC1-515	5 m (16.4 ft)			
MQDC1-530	9 m (29.5 ft)			
MQDC1-560	18 m (59 ft)			

5-Pin Threaded M12 Cordsets—Single Ended				
Model	Style	Length	Dimensions	Pinout (Female)
MQDC1-506RA	2 m (6.5 ft)	Right-Angle		<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
MQDC1-515RA	5 m (16.4 ft)			
MQDC1-530RA	9 m (29.5 ft)			
MQDC1-560RA	19 m (62.3 ft)			



Specifications

Current Rating

4 A

Voltage Rating

30 V

Minimum Bend Radius

>10× the outside diameter

AWG

22 AWG

Outer Diameter

5.59 mm

Connections

Integral 5-pin M12 female quick disconnect

Coding

A

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

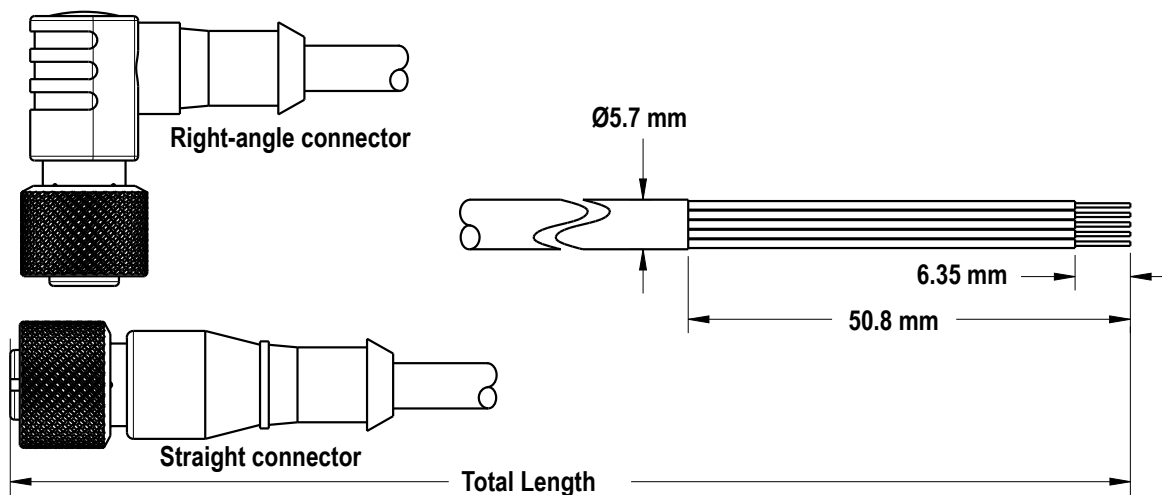
Certifications



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Figure 1. Wire dimensions



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

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