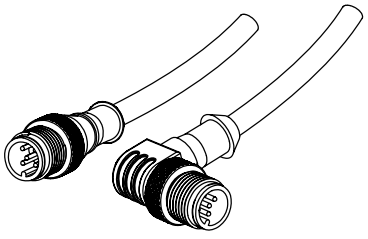
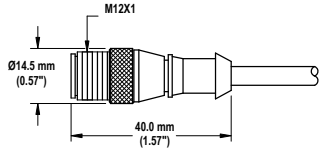
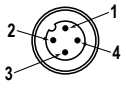
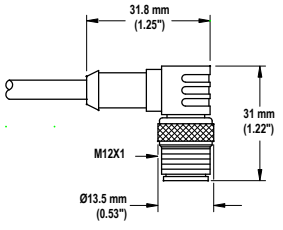
M12 MQDMC-4xx Single-Ended Male Cordsets (4-pin)

Datasheet



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

Models

4-Pin Threaded Male M12 Cordsets—Single Ended					
Model	**Length**	**Style**	**Dimensions**	**Pinout (Male)**	
MQDMC-401	0.23 m (0.75 ft)	Straight			1 = Brown 2 = White 3 = Blue 4 = Black
MQDMC-406	2 m (6.7 ft)				
MQDMC-415	5 m (15.4 ft)				
MQDMC-430	10 m (32.9 ft)				
MQDMC-406RA	1.8 m (6 ft)	Right-angle			
MQDMC-415RA	4.5 m (15 ft)				
MQDMC-430RA	9.1 m (30 ft)				

Specifications

Current Rating
4 A

Voltage Rating
250 V

Minimum Bend Radius
Installation:
Static: 5× the outside diameter
Dynamic: 10× the outside diameter

AWG
22 AWG

Outer Diameter
5.21 mm

Coding
A

Connections
Integral 4-pin M12 male quick disconnect

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

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)

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)

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

Certifications

Banner Engineering Europe Park Lane, Culliganlaan 2F bus 3, 1831 Diegem, BELGIUM

Turck Banner LTD Blenheim House, Blenheim Court, Wickford, Essex SS11 8YT, Great Britain

UL Listing: CYJV.E230439 UL2238

cUL Listing: CYJV7.E230439

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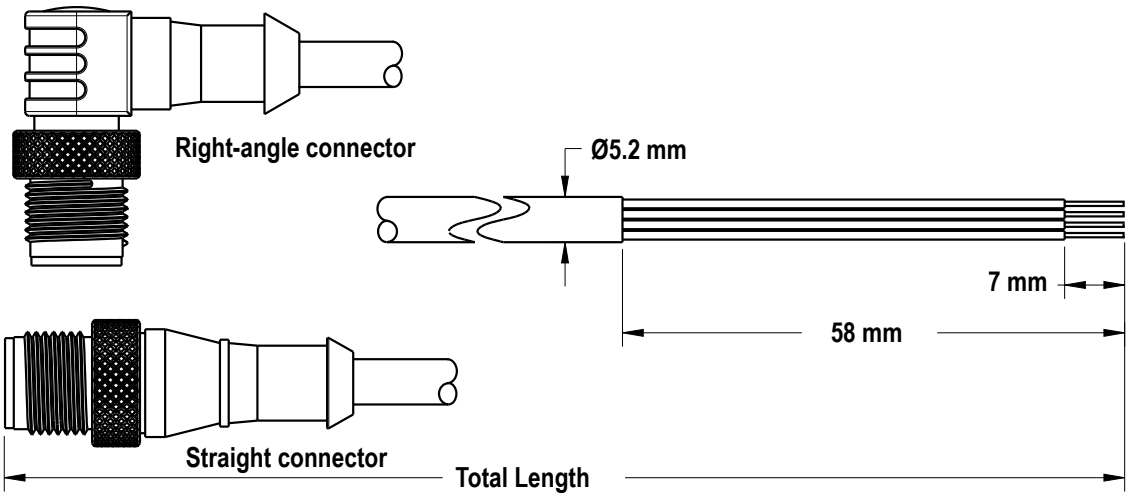
Figure 1. Wire dimensions



For more details about the connector, see Models on page 1.

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