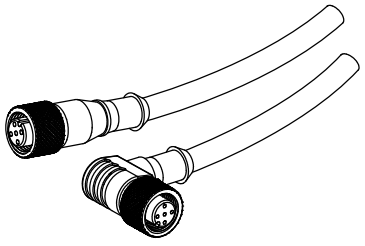
M12 MQDEC2-4xx Single-Ended Female with Floating Shield and Drain Cordset (4-pin)

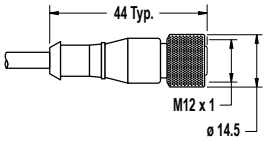
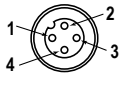
Datasheet



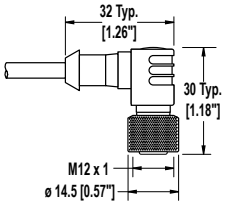
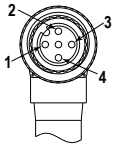
- M12 female to flying leads, four conductors, multiple length options
- Black PVC jacket, foil shield with unterminated 22 AWG drain, A-code connector
- Straight and right-angle connector options

Models

4-Pin Threaded M12 Cordsets with Shield—Single Ended

Model	Length	Style	Dimensions	Pinout (Female)
MQDEC2-406	2 m (6.56 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black
MQDEC2-415	5 m (16.4 ft)			
MQDEC2-430	9 m (29.5 ft)			
MQDEC2-450	15.2 m (50 ft)			

4-Pin Threaded M12 Cordsets with Shield—Single Ended

Model	Length	Style	Dimensions	Pinout (Female)	
MQDEC2-406RA	2 m (6.56 ft)	Right-Angle			1 = Brown 2 = White 3 = Blue 4 = Black
MQDEC2-415RA	5 m (16.4 ft)				
MQDEC2-430RA	9 m (29.5 ft)				
MQDEC2-450RA	15.2 m (50 ft				

Specifications

Current Rating
4 A

Voltage Rating
250 V

Installation
Static: 10× the outside diameter
Dynamic: 15× the outside diameter

AWG
22 AWG

Outer Diameter
5.21 mm

Shielding
Shielding: Aluminum foil, facing in 25% minimum, 100% coverage
Drain: 22 AWG Drain

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)

Connections
Integral 4-pin M12 female quick disconnect

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

Original Document
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231036

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Certifications

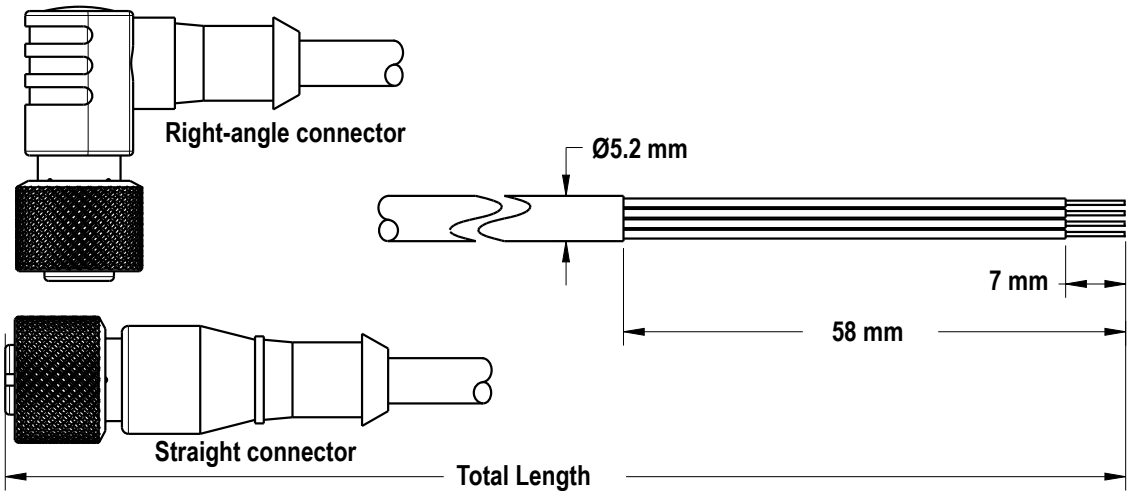
Banner Engineering Europe Park Lane, Culliganlaan 2F bus 3, 1831 Diegem, BELGIUM

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

UL Listing: CYJV.E230439 UL2238

cUL Listing: CYJV7.E230439

Figure 1. Wire dimensions



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

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