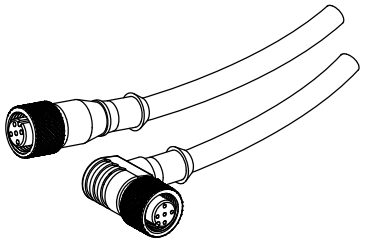
M12 MQDEC2-5xx Single-Ended Female Cordset with Floating Shield and Drain (5-pin)

more sensors, more solutions

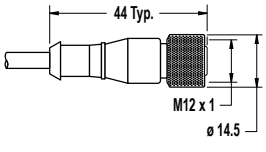
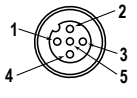
Datasheet



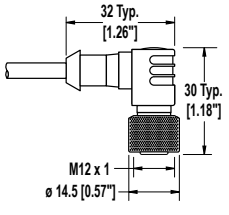
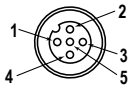
- M12 female to flying leads, five conductors, multiple length options
- Black PVC jacket, foil shield with unterminated 22 AWG drain, A-code connector
- Straight and right-angle connector options

Models

5-Pin Threaded M12 Cordsets (Straight) with Shield—Single Ended

Model	Length	Style	Dimensions	Pinout (Female)
MQDEC2-506	2 m (6.56 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
MQDEC2-515	5 m (16.4 ft)			
MQDEC2-530	9 m (29.5 ft)			
MQDEC2-550	15 m (49.2 ft)			
MQDEC2-575	23 m (75.44 ft)			
MQDEC2-5100	30.5 m (100 ft)			

5-Pin Threaded M12 Cordsets (Right-Angle) with Shield—Single Ended

Model	Length	Style	Dimensions	Pinout (Female)
MQDEC2-506RA	2 m (6.56 ft)	Right-Angle		 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
MQDEC2-515RA	5 m (16.4 ft)			
MQDEC2-530RA	9 m (29.5 ft)			
MQDEC2-550RA	15 m (49.2 ft)			
MQDEC2-575RA	23 m (75.44 ft)			
MQDEC2-5100RA	31 m (101.68 ft)			

Original Document
231185 Rev. A

28 September 2022

231185

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

Specifications

Current Rating
4 A

Voltage Rating
30 V

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

AWG
22 AWG

Outer Diameter
5.7 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 +50 °C (–40 °F to +122 °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

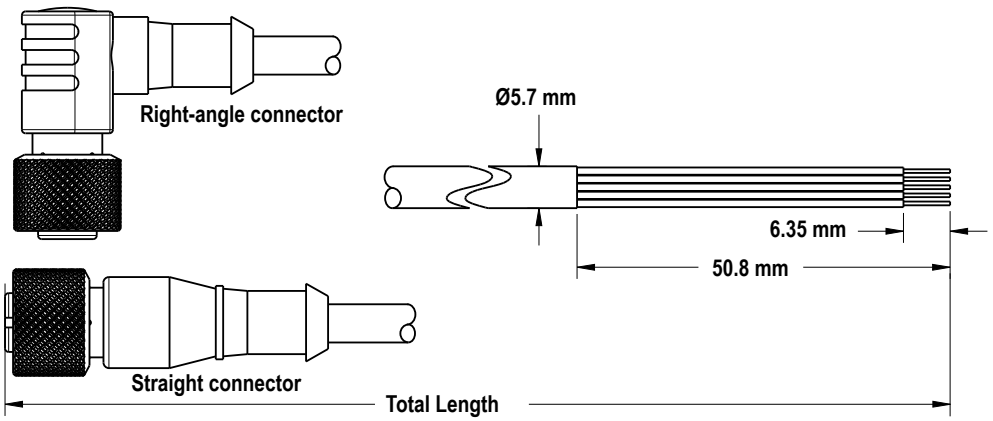
Banner Engineering Europe Park Lane, Culliganlaan 2F bus 3, 1831 Diegem, BELGIUM

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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