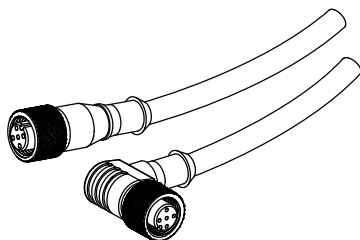


# M12 MQDC-4xx Single-Ended Female Cordsets (4-pin)



## Datasheet

- M12 female 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 M12 Cordsets—Single Ended					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC-403	1 m (3.28 ft)	Straight			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Not used
MQDC-406	2 m (6.56 ft)				
MQDC-410	3 m (9.8 ft)				
MQDC-415	5 m (16.4 ft)				
MQDC-430	9 m (29.5 ft)				
MQDC-450	15 m (49.2 ft)				
MQDC-460	18.3 m (60 ft)				
MQDC-470	21 m (68.9 ft)				
MQDC-4100	30 m (98.43 ft)				

4-Pin Threaded M12 Cordsets—Single Ended					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC-406RA	2 m (6.56 ft)	Right-Angle			1 = Brown 2 = White 3 = Blue 4 = Black 5 = Not used
MQDC-415RA	5 m (16.4 ft)				
MQDC-430RA	9 m (29.5 ft)				
MQDC-450RA	15 m (49.2 ft)				
MQDC-460RA	18.3 m (60 ft)				
MQDC-470RA	22 m (72.1 ft)				
MQDC-4100RA	30 m (98.43 ft)				

## Specifications

### Current Rating

4 A

### Voltage Rating

250 V

### Installation

Static: 5× the outside diameter  
 Dynamic: 10× the outside diameter

### AWG

22 AWG

### Outer Diameter

5.21 mm

### 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



## Certifications



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



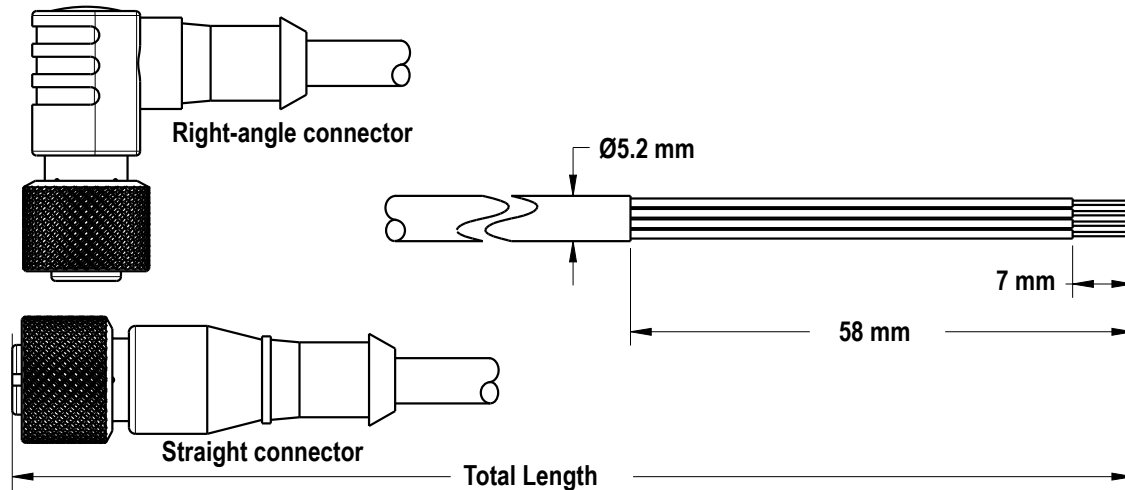
**Turck Banner LTD** Blenheim  
House, Blenheim Court,  
Wickford, Essex SS11 8YT,  
Great Britain



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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