

# M12 MQDEC-4xx Double-Ended Cordsets (4-pin)



## Datasheet

Figure 1. Straight-straight cordset



Figure 2. Right angle to straight cordset



Figure 3. Right angle to right angle cordset



- M12 female to male (double-ended), four conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight and right-angle connector options

## Models

4-Pin Threaded M12 Cordsets—Double Ended				
Model	Length	Style	Dimensions	Pinout
MQDEC-401SS	0.31 m (1 ft)	Male Straight/ Female Straight		<p>Female</p>
MQDEC-403SS	0.91 m (2.99 ft)			
MQDEC-406SS	1.83 m (6 ft)			
MQDEC-412SS	3.66 m (12 ft)			
MQDEC-420SS	6.10 m (20 ft)			
MQDEC-430SS	9.14 m (30.2 ft)			
MQDEC-450SS	15.2 m (49.9 ft)			
MQDEC-403RS	0.91 m (2.99 ft)	Male Right-Angle/ Female Straight		<p>Male</p>
MQDEC-406RS	1.83 m (6 ft)			
MQDEC-412RS	3.66 m (12 ft)			
MQDEC-420RS	6.10 m (20 ft)			
MQDEC-430RS	9.14 m (30.2 ft)			
MQDEC-450RS	15.2 m (49.9 ft)			
MQDEC-403RR	0.9 m (2.9 ft)	Male Right-Angle/ Female Right-Angle		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDEC-406RR	1.8 m (5.9 ft)			
MQDEC-412RR	3.6 m (11.8 ft)			
MQDEC-420RR	6.1 m (20 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

### Connections

Integral 4-pin M12 quick disconnect (female, male)

### 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)

### Coding

A

### 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

### Certification



**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 4. MQDEC..SS dimensions

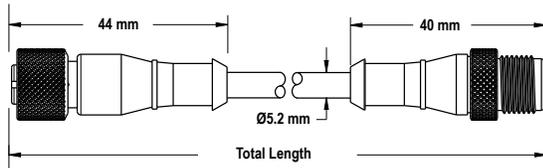


Figure 5. MQDEC..RS dimensions

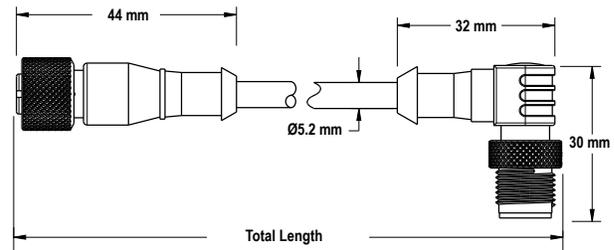
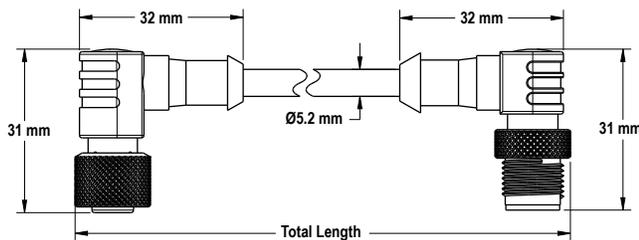


Figure 6. MQDEC..RR dimensions



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

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