

# M12 MQDEC-5xx Cordsets (5-pin Double-Ended)

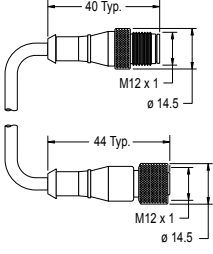
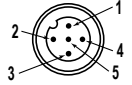
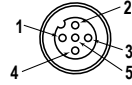


## Datasheet



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

## Models

5-Pin Threaded M12 Cordsets—Double Ended					
Model	Length	Style	Dimensions	Pinout (Male)	Pinout (Female)
MQDEC-501SS	0.31 m (1.02 ft)	Male Straight/ Female Straight			
MQDEC-503SS	0.91 m (2.99 ft)			<p>1 = Brown 2 = White 3 = Blue</p>	<p>4 = Black 5 = Gray</p>
MQDEC-506SS	1.83 m (6 ft)				
MQDEC-512SS	3.66 m (12 ft)				
MQDEC-515SS	5 m (16.4 ft)				
MQDEC-530SS	9 m (29.5 ft)				
MQDEC-550SS	15 m (49.2 ft)				

## Specifications

### Current Rating

4 A

### Voltage Rating

60 V

### Minimum Bend Radius

>10× the outside diameter

### AWG

22 AWG

### Outer Diameter

5.59 mm

### Coding

A

### Connections

Integral 5-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)

### Operating Conditions

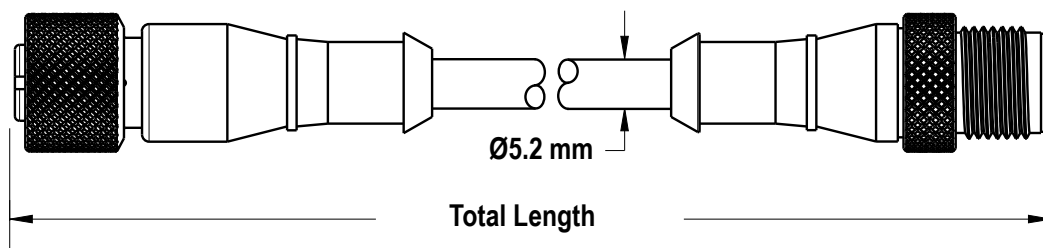
Operating temperature: −40 °C to +70 °C (−40 °F to +158 °F)  
Storage temperature: −40 °C to +70 °C (−40 °F to +158 °F)  
90% at +50 °C maximum relative humidity (non-condensing)

### Environmental Rating

IP66, IP67, IP68  
NEMA 1, UL Type 1



Figure 1. Wire dimensions



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

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