

# Datasheet



- M12 female to flying leads, eight conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight and right-angle connector options

## Models

8-Pin Threaded M12 Cordsets—Single Ended							
Model	Length	Style	Dimension	Pinout (Female)			
MQDC1-803	1 m (3.2 ft)			$ \begin{array}{c} 2 \\ 1 \\ 7 \\ 6 \\ 8 \end{array} $			
MQDC1-806	2 m (6.5 ft)	Straight	44 Typ.				
MQDC1-815	5 m (16.4 ft)		M12 x 1 → ø 14.5 →	1 = White	5 = Gray 6 = Pink		
MQDC1-830	9 m (29.5 ft)			2 = Brown 3 = Green	6 = Pink 7 = Blue		
MQDC1-850	15 m (49.2 ft)			4 = Yellow	8 = Red		

8-Pin Threaded M12 Cordsets—Single Ended							
Model	Length	Style	Dimension	Pinout (Female)			
MQDC1-806RA	2 m (6.5 ft)	Right-Angle	32 Typ. [1.26"] 30 Typ. [1.18"]	$\begin{array}{c} 2 \\ 1 \\ 7 \\ 6 \\ 8 \end{array}$			
MQDC1-815RA	5 m (16.4 ft)		M12 x 1 -    σ 14.5 [0.57"] -	1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red		
MQDC1-830RA	9 m (29.5 ft)						
MQDC1-850RA	15 m (49.2 ft)						

# Specifications

#### Current Rating 2 A

Voltage Rating

# 30 V

Minimum Bend Radius >10× the outside diameter

#### AWG 24 AWG

Outer Diameter

## 5.59 mm Coding

A

## Connections

Integral 8-pin M12 female quick disconnect

## 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**

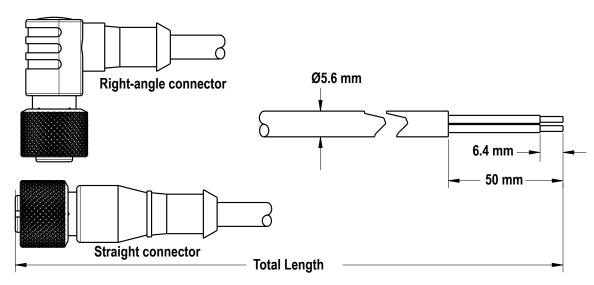
Operating temperature: -40 °C to +70 °C (-40 °F to +158 °F) Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F) 90% at +50 °C maximum relative humidity (non-

## 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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