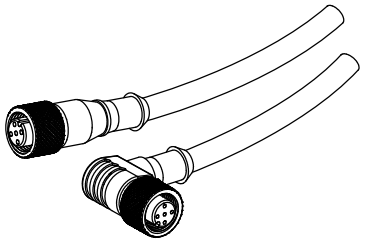
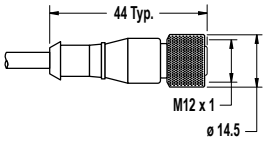
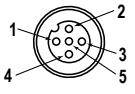
# M12 MQDC1-5xx Cordsets (5-pin Female)

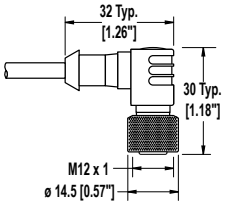
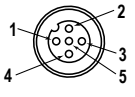
## Datasheet



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

## Models

| 5-Pin Threaded M12 Cordsets—Single Ended | | | | |
|---|---|---|---|---|
| **Model** | **Length** | **Style** | **Dimensions** | **Pinout (Female)** |
| **MQDC1-501.5** | 0.5 m (1.5 ft) | Straight |  |  1 = Brown<br>2 = White<br>3 = Blue<br>4 = Black<br>5 = Gray |
| **MQDC1-503** | 0.9 m (2.9 ft) | | | |
| **MQDC1-506** | 2 m (6.5 ft) | | | |
| **MQDC1-515** | 5 m (16.4 ft) | | | |
| **MQDC1-530** | 9 m (29.5 ft) | | | |
| **MQDC1-560** | 18 m (59 ft) | | | |

| 5-Pin Threaded M12 Cordsets—Single Ended | | | | |
|---|---|---|---|---|
| **Model** | **Style** | **Length** | **Dimensions** | **Pinout (Female)** |
| **MQDC1-506RA** | 2 m (6.5 ft) | Right-Angle |  |  1 = Brown<br>2 = White<br>3 = Blue<br>4 = Black<br>5 = Gray |
| **MQDC1-515RA** | 5 m (16.4 ft) | | | |
| **MQDC1-530RA** | 9 m (29.5 ft) | | | |
| **MQDC1-560RA** | 19 m (62.3 ft) | | | |

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227594 Rev. A

4 February 2022

227594

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

## Specifications

**Current Rating**
4 A

**Voltage Rating**
30 V

**Minimum Bend Radius**
>10× the outside diameter

**AWG**
22 AWG

**Outer Diameter**
5.59 mm

**Connections**
Integral 5-pin M12 female quick disconnect

**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)

**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)

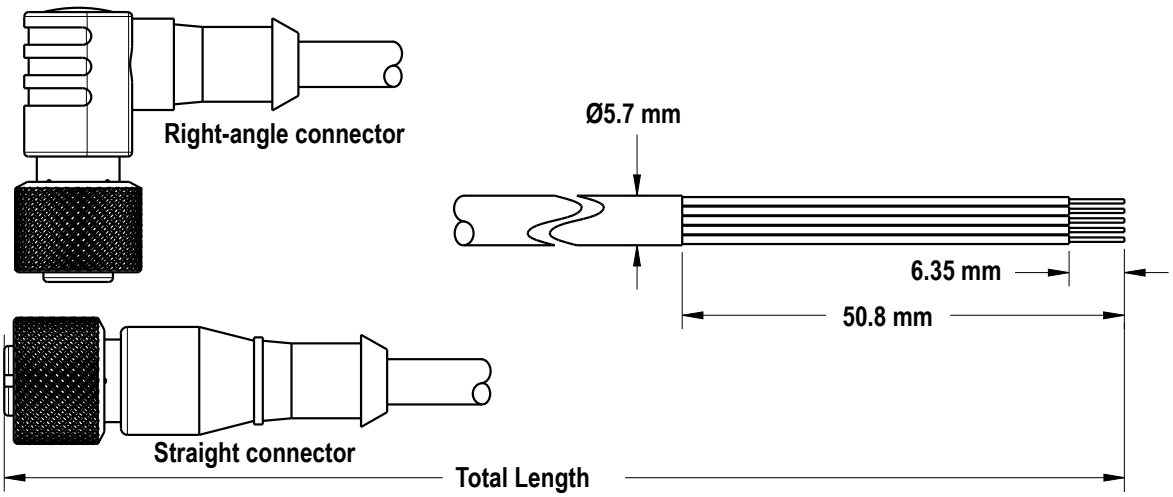
**Environmental Rating**
IP66, IP67, IP68
NEMA 1, UL Type 1

**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

*Figure 1. Wire dimensions*




For more details about the connector, see Models on page 1.

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