

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



## Features

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

## MQDC-4xx Models

| 4-Pin Threaded M12 Cordsets—Single Ended |                 |          |            |                                                                            |
|------------------------------------------|-----------------|----------|------------|----------------------------------------------------------------------------|
| Model                                    | Length          | Style    | Dimensions | Pinout (Female)                                                            |
| MQDC-403                                 | 1 m (3.28 ft)   | Straight |            | <p>1 = Brown<br/>2 = White<br/>3 = Blue<br/>4 = Black<br/>5 = Not used</p> |
| 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 |            | <p>1 = Brown<br/>2 = White<br/>3 = Blue<br/>4 = Black<br/>5 = Not used</p> |
| 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

30 V DC

### 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 +60 °C (-40 °F to +140 °F)

Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)

90% at +50 °C maximum relative humidity (non-condensing)



#### Environmental Rating

IP67, IP68  
UL Type 1

#### Certifications



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



Turck Banner LTD Blenheim House  
Blenheim Court  
Wickford, Essex SS11 8YT  
GREAT BRITAIN



**LISTED** 4A passthrough 45°C Ambient; 2A passthrough 55°C Ambient; 1A passthrough 60°C Ambient  
UL Listing: NKCR.E71083 UL 60947-5-1

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