# 4-Pin D-Code Single-Ended M12 Female or Male Cordsets

## Features

- 4-pin D-code M12 female or M12 male (depending on the model), 4 conductors, multiple length options
- Black TPU overmolding
- Straight connector options
- Cat5e network speeds

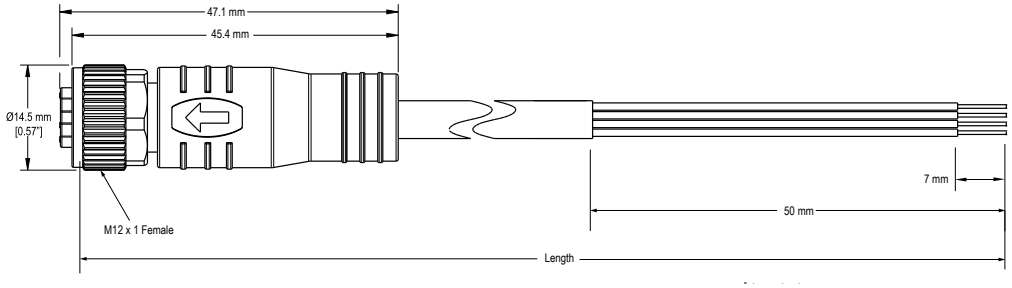
## Models

| | Connector | - | Length |
|---|---|---|---|
| BCD- | M12DF | - | 5 |

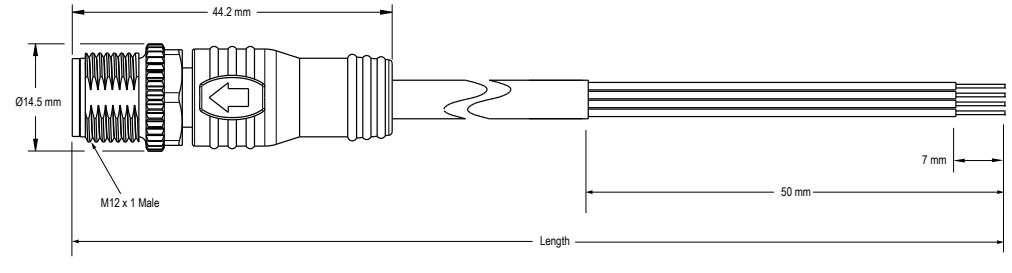
M12DF = 4-pin D-Code M12 Female
M12DM = 4-pin D-Code M12 Male

Length (m)

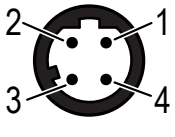
*BCD-M12DF-x Cordsets*




*BCD-M12DM-x Cordsets*




*Male*




*Female*




*Wire crossover*

**Wires**

| | | |
|---|---|---|
| 1 | - | White/orange |
| 3 | - | Orange |
| 2 | - | White/blue |
| 4 | - | Blue |

The wires are listed out of order because of the twisted pairs.

## Specifications

**Current Rating**
4 A

**Voltage Rating**
60 V DC

Original Instructions
08-Jul-26

© Banner Engineering Corp. All rights reserved.
www.bannerengineering.com

244424
p/n: 244424 Rev. E

ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

**Network Speed**
Cat5e

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

**AWG**
22 AWG

**Connections**
4-pin D-Code M12 female or male, depending on the model

**Construction**
Coupling nut: Nickel-plated zinc
Terminal: Gold-plated brass
Jacket: PVC
Black TPU overmolding

**Shielding**
Shielding tied to coupling nuts

**Operating Conditions**
Fixed installation: –40 °C to +85 °C (–40 °F to +185 °F)
Flexible installation: –20 °C to +80 °C (–4 °F to +176 °F)

**Vibration and Mechanical Shock**
Meets IEC 60068-2-6:2008 requirements for vibration (10 Hz to 55 Hz sine; 0.5 mm amplitude, 5 minutes sweep cycle duration with 2.5 minutes per sweep, 30 minutes dwell duration at resonant frequency)
Meets IEC 60068-2-27:2009 requirements for shock (15 G, half-sine wave, 11 ms duration)

**Environmental Rating**
IP67

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

# Banner Engineering Corp Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

**THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), AND WHETHER ARISING UNDER COURSE OF PERFORMANCE, COURSE OF DEALING OR TRADE USAGE.**

This Warranty is exclusive and limited to repair or, at the discretion of Banner Engineering Corp., replacement. **IN NO EVENT SHALL BANNER ENGINEERING CORP. BE LIABLE TO BUYER OR ANY OTHER PERSON OR ENTITY FOR ANY EXTRA COSTS, EXPENSES, LOSSES, LOSS OF PROFITS, OR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM ANY PRODUCT DEFECT OR FROM THE USE OR INABILITY TO USE THE PRODUCT, WHETHER ARISING IN CONTRACT OR WARRANTY, STATUTE, TORT, STRICT LIABILITY, NEGLIGENCE, OR OTHERWISE.**

Banner Engineering Corp. reserves the right to change, modify or improve the design of the product without assuming any obligations or liabilities relating to any product previously manufactured by Banner Engineering Corp. Any misuse, abuse, or improper application or installation of this product or use of the product for personal protection applications when the product is identified as not intended for such purposes will void the product warranty. Any modifications to this product without prior express approval by Banner Engineering Corp will void the product warranties. All specifications published in this document are subject to change; Banner reserves the right to modify product specifications or update documentation at any time. Specifications and product information in English supersede that which is provided in any other language. For the most recent version of any documentation, refer to: www.bannerengineering.com.

For patent information, see www.bannerengineering.com/patents.


© Banner Engineering Corp. All rights reserved.
www.bannerengineering.com