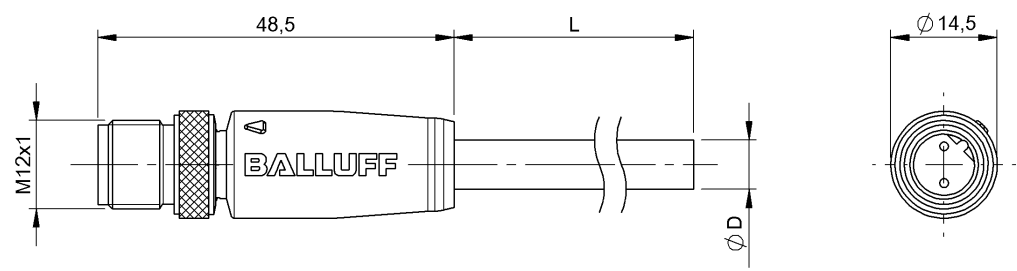


Single-Ended Cordsets  
BCC M412-0000-2B-031-PS72N1-150  
Order Code: BCC0HUH



Basic features

|                     |                     |
|---------------------|---------------------|
| Application         | Profibus            |
| Approval/Conformity | CE<br>cULus<br>WEEE |

Electrical connection

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Bending radius min., fixed cable    | 7.5 x D                                          |
| Bending radius min., flexible cable | 10 x D                                           |
| Cable                               | PUR Shielded violet, 15 m, drag chain compatible |
| Cable diameter D                    | 7.80 mm ±0.20 mm                                 |
| Cable, bending cycles min.          | 5 mil.                                           |
| Conductor cross-section             | 24 AWG                                           |
| Connection                          | M12x1-Male, straight, 2-pin, B-coded             |
| Connector configuration             | Straight                                         |
| Number of conductors                | 2                                                |
| Number of pins                      | 2                                                |
| System                              | Molded                                           |

Electrical data

|                       |                 |
|-----------------------|-----------------|
| Isolation resistance  | ≥ 1 GOhm x km   |
| Operating voltage Ub  | 60 VDC / 60 VAC |
| Rated current (40 °C) | 4.0 A           |
| Surge impedance       | 150 Ohm ±15 Ohm |

Environmental conditions

|                                     |             |
|-------------------------------------|-------------|
| Cable temperature, drag chain       | -20...50 °C |
| Cable temperature, fixed routing    | -40...70 °C |
| Cable temperature, flexible routing | -20...60 °C |
| IP rating                           | IP67        |

Material

|                             |                                |
|-----------------------------|--------------------------------|
| Cable jacket material, note | Shielded                       |
| Cable jacket, material      | PUR                            |
| Cable shield                | Aluminum foil and copper braid |
| Material contact carrier    | PUR                            |
| Material contacts           | Brass                          |
| Material cover nut          | Brass<br>nickel-plated         |
| Material grip               | PUR                            |

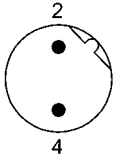
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 10 m/s <sup>2</sup>   |
| Cable jacket, color                     | violet                |
| Cable length L                          | 15.00 m               |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm                |
| Traverse speed max., drag chain         | 330 m/min             |

#### Remarks

Cable construction acc. to UL-AWM Style 20236  
Halogen-free  
Silicone-free  
Flame resistance acc. to FT1  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

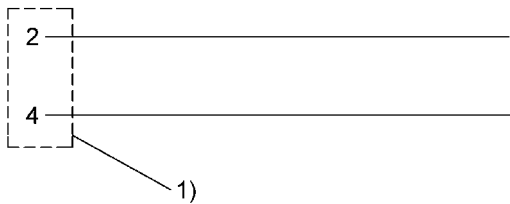
#### Connector Drawings



PIN 2: green

PIN 4: red

#### Wiring Diagrams



1) Shield on cover nut