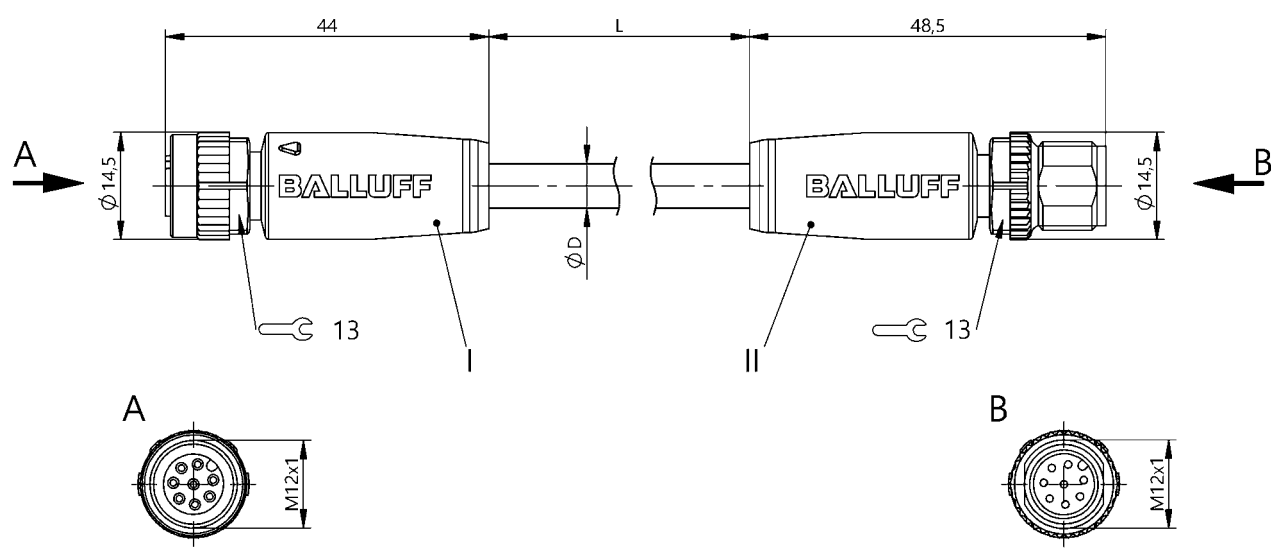


Double-Ended Cordsets  
BCC M418-M418-3A-342-PX0825-010  
Order Code: BCC0AC1



Basic features

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

Electrical connection

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                  |
| Bending radius min., flexible cable | 10 x D                                 |
| Cable                               | PUR black, 1 m, drag chain compatible  |
| Cable diameter D                    | 6.00 mm ±0.20 mm                       |
| Cable, bending cycles min.          | 2 mil.                                 |
| Conductor cross-section             | 0.25 mm <sup>2</sup>                   |
| Connection 1                        | M12x1-Female, straight, 8-pin, A-coded |
| Connection 2                        | M12x1-Male, straight, 8-pin, A-coded   |
| Number of conductors                | 8                                      |
| System                              | Molded/Molded                          |

Electrical data

|                                  |                 |
|----------------------------------|-----------------|
| Operating voltage U <sub>b</sub> | 30 VDC / 30 VAC |
| Rated current (40 °C)            | 2.0 A           |

Remarks

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame-retarding acc. to IEC 60332-2  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Environmental conditions

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Cable temperature, drag chain       | -25...60 °C                         |
| Cable temperature, fixed routing    | -50...80 °C                         |
| Cable temperature, flexible routing | -25...80 °C                         |
| IP rating                           | IP67, IP68, IP69K/IP67, IP68, IP69K |

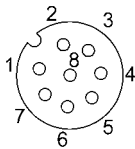
Material

|                          |                             |
|--------------------------|-----------------------------|
| Cable jacket, material   | PUR                         |
| Material contact carrier | PUR/PUR                     |
| Material contacts        | Bronze/Brass                |
| Material cover nut       | Die-cast zinc/Die-cast zinc |
| Material grip            | PUR/PUR                     |

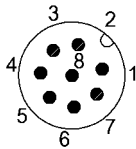
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 1.00 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm/0.6 Nm         |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

Connector Drawings



PIN 1: white  
PIN 2: green  
PIN 3: yellow  
PIN 4: gray  
PIN 5: brown  
PIN 6: pink  
PIN 7: blue  
PIN 8: red



PIN 1: white  
PIN 2: green  
PIN 3: yellow  
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Wiring Diagrams

