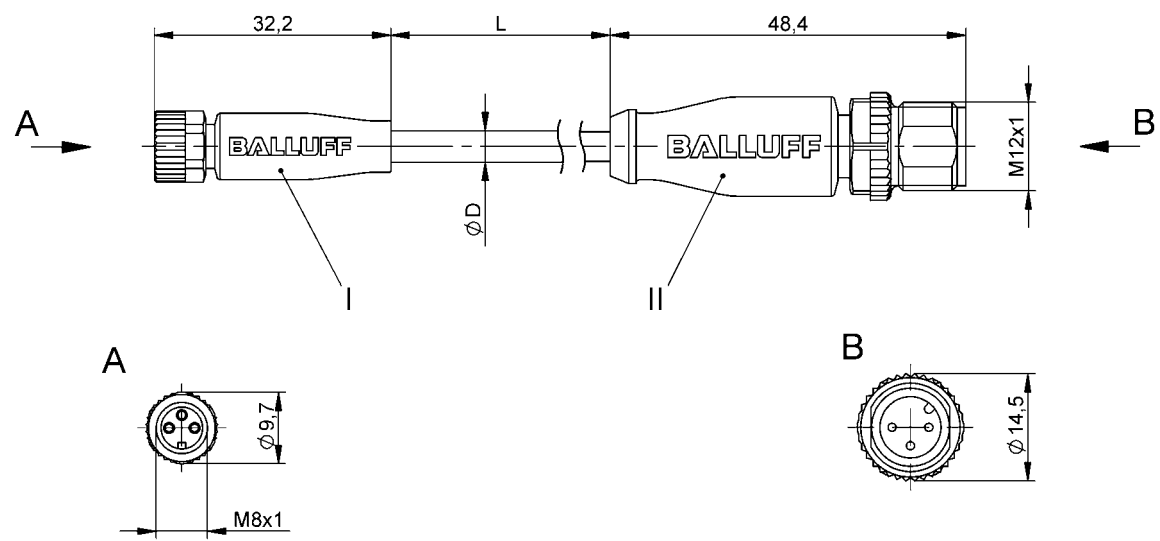


Double-Ended Cordsets  
BCC M313-M413-3E-300-PX43T2-030  
Order Code: BCC0535



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 Yellow, 3 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm ±0.20 mm                       |
| Cable, bending cycles min.          | 5 mil.                                 |
| Conductor cross-section             | 22 AWG                                 |
| Connection 1                        | M8x1-Female, straight, 3-pin, A-coded  |
| Connection 2                        | M12x1-Male, straight, 3-pin, A-coded   |
| Number of conductors                | 3                                      |
| System                              | Molded/Molded                          |

Electrical data

|                             |                 |
|-----------------------------|-----------------|
| Cable rated voltage AC max. | 300 V           |
| Cable rated voltage DC max. | 300 V           |
| Operating voltage Ub        | 60 VDC / 60 VAC |
| Rated current (40 °C)       | 4.0 A           |

Environmental conditions

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Cable temperature UL max., fixed routing    | 80 °C                         |
| Cable temperature UL max., flexible routing | 80 °C                         |
| Cable temperature, fixed routing            | -50...90 °C                   |
| Cable temperature, flexible routing         | -25...90 °C                   |
| IP rating                                   | IP67, IP69K/IP67, IP68, IP69K |

Material

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

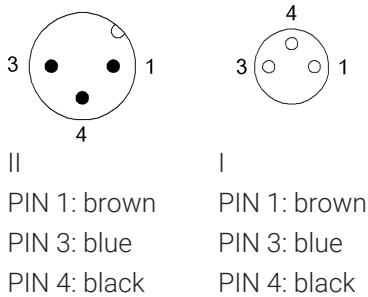
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | Yellow                |
| Cable length L                          | 3.00 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.4 Nm/0.6 Nm         |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

Remarks

Bulk cable approval per UL+CSA, UL-AWM Style 21198 or 20549  
Halogen-free per DIN VDE 0472 Part 815  
Flame resistance acc. to FT1  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



Wiring Diagrams

