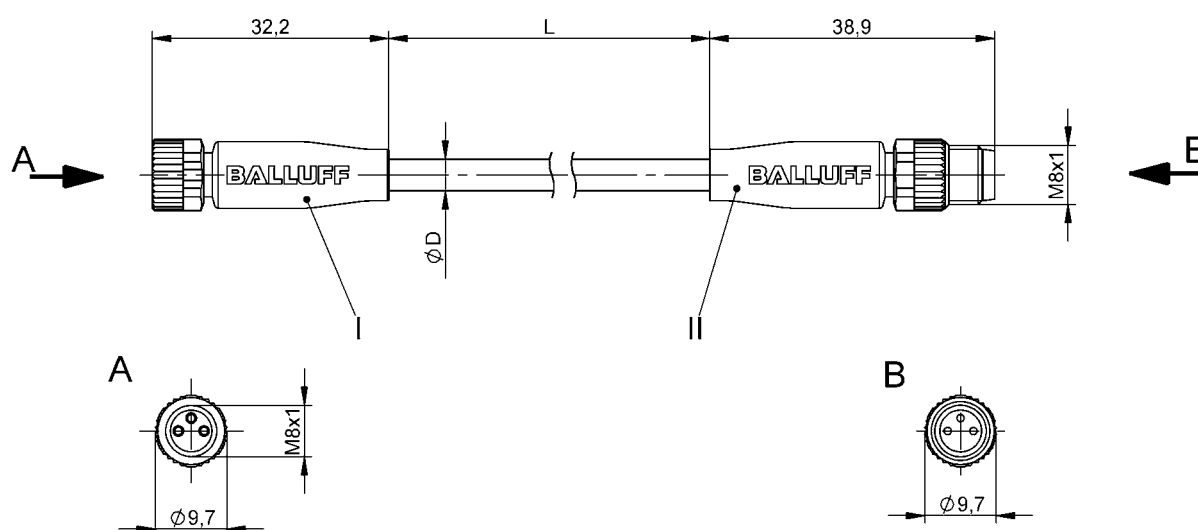


## Double-Ended Cordsets

BCC M313-M313-30-300-PX43T2-050

Order Code: BCC051U

**BALLUFF**

## 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, 5 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm $\pm$ 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                        | M8x1-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 $U_b$     | 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, 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 or nickel plated brass |
| Material grip            | PUR/PUR                                                                   |

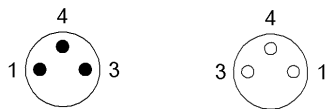
## Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | Yellow                |
| Cable length L                          | 5.00 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.4 Nm/0.4 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



|              |              |
|--------------|--------------|
| II           | I            |
| PIN 1: brown | PIN 1: brown |
| PIN 3: blue  | PIN 3: blue  |
| PIN 4: black | PIN 4: black |

Wiring Diagrams

