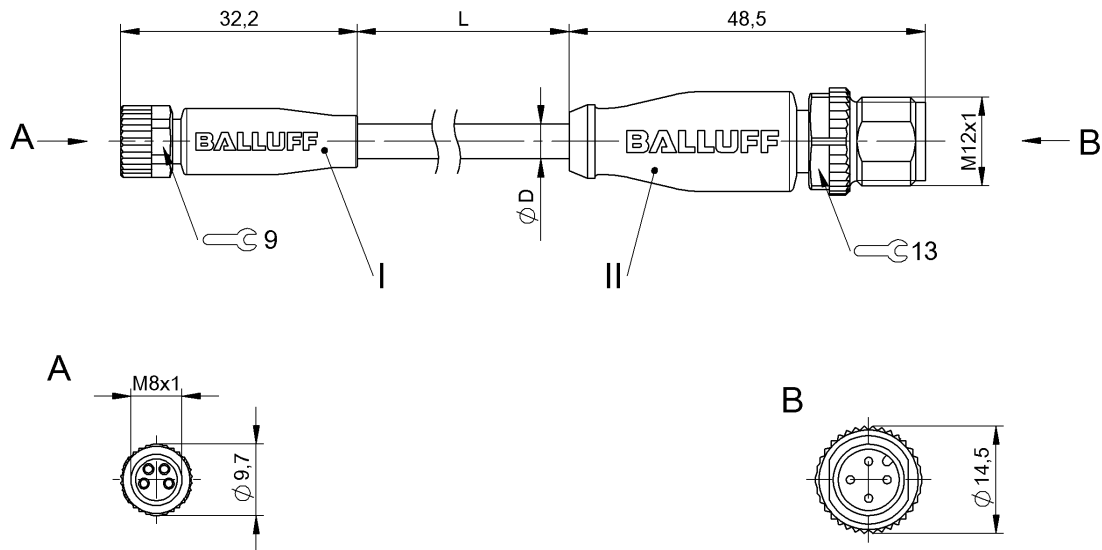


# Double-Ended Cordsets

BCC M314-M414-3E-304-PW3434-075

Order Code: BCC0L73

# BALLUFF



## Basic features

|                     |                     |
|---------------------|---------------------|
| Application         | Welding area        |
| 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 welding spark resistant<br>Orange, 7.5 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm ±0.10 mm                                                    |
| Cable, bending cycles min.          | 10 mil.                                                             |
| Cable, torsion stress               | ±360°/m                                                             |
| Conductor cross-section             | 0.34 mm²                                                            |
| Connection 1                        | M8x1-Female, straight, 4-pin, A-coded                               |
| Connection 2                        | M12x1-Male, straight, 4-pin, A-coded                                |
| Number of conductors                | 4                                                                   |
| System                              | Molded/Molded                                                       |

## Electrical data

|                         |                 |
|-------------------------|-----------------|
| 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, drag chain               | -25...60 °C            |
| Cable temperature, fixed routing            | -50...90 °C            |
| Cable temperature, flexible routing         | -25...90 °C            |
| IP rating                                   | IP67/IP67, IP68, IP69K |

## Interface

|                  |               |
|------------------|---------------|
| Switching output | Complementary |
|------------------|---------------|

## Material

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Cable jacket material, note | welding spark resistant                            |
| 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                                            |

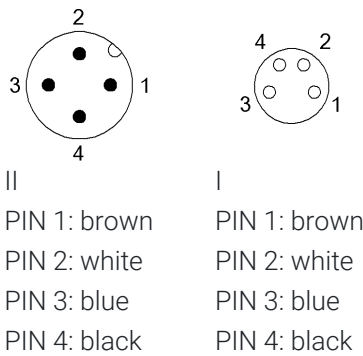
## Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s²                |
| Cable jacket, color                     | Orange                |
| Cable length L                          | 7.50 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

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance per UL FT2  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



Wiring Diagrams

