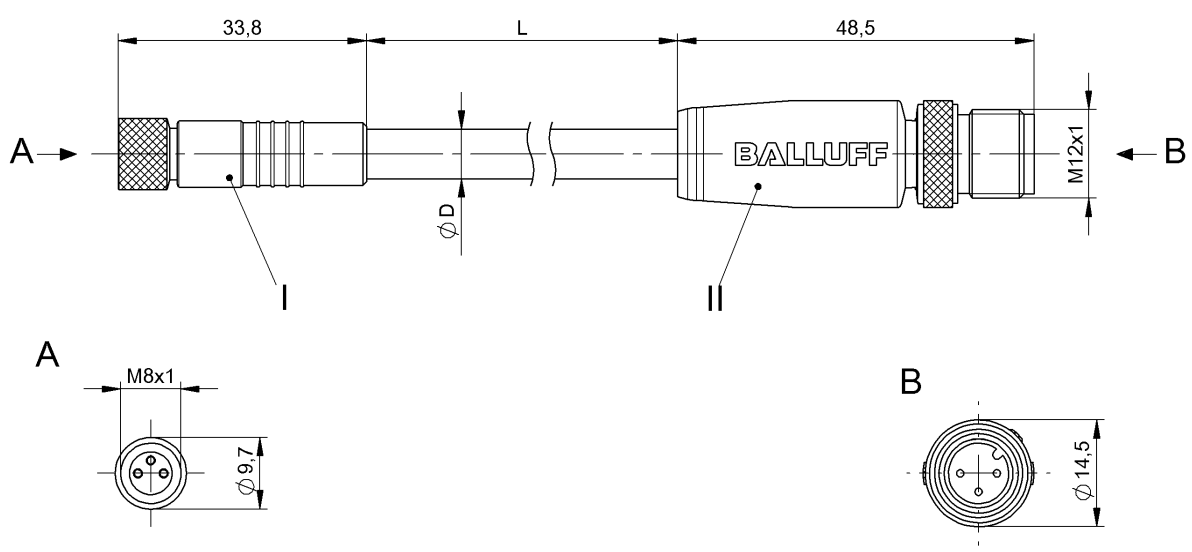


Double-Ended Cordsets  
BCC W313-W413-3E-300-SW0434-020  
Order Code: BCC0HYK



Basic features

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

Electrical connection

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Bending radius min., fixed cable    | 10 x D                                         |
| Bending radius min., flexible cable | 15 x D                                         |
| Cable                               | Silicone welding spark resistant<br>black, 2 m |
| Cable diameter D                    | 5.70 mm ±0.25 mm                               |
| Conductor cross-section             | 0.34 mm²                                       |
| Connection 1                        | M8x1-Female, straight, 3-pin, A-<br>coded      |
| Connection 2                        | M12x1-Male, straight, 3-pin, A-<br>coded       |
| Number of conductors                | 4                                              |
| System                              | Molded/Molded                                  |

Electrical data

|                       |                 |
|-----------------------|-----------------|
| Operating voltage Ub  | 60 VDC / 60 VAC |
| Rated current (40 °C) | 4.0 A           |

Remarks

Cable construction acc. to UL-AWM Style 4535  
Halogen-free per IEC 60754  
Maximum temperature at outer jacket from weld spatter/beads short-time 800°C.  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Environmental conditions

|                                             |              |
|---------------------------------------------|--------------|
| Cable temperature UL max., fixed routing    | 150 °C       |
| Cable temperature UL max., flexible routing | 150 °C       |
| Cable temperature, fixed routing            | -40...200 °C |
| Cable temperature, flexible routing         | -25...200 °C |
| IP rating                                   | IP65/IP65    |

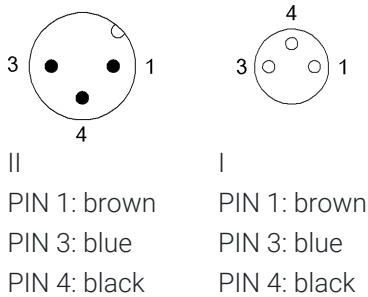
Material

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Cable jacket material, note | welding spark resistant                   |
| Cable jacket, material      | Silicone                                  |
| Material contact carrier    | PUR, special/PUR, special                 |
| Material contacts           | Bronze/Brass                              |
| Material cover nut          | Brass<br>PTFE coated/Brass<br>PTFE coated |
| Material grip               | PUR, special/PUR, special                 |

Mechanical data

|                           |               |
|---------------------------|---------------|
| Cable jacket, color       | black         |
| Cable length L            | 2.00 m        |
| Tightening torque pigtail | 0.4 Nm/0.6 Nm |

Connector Drawings



Wiring Diagrams

