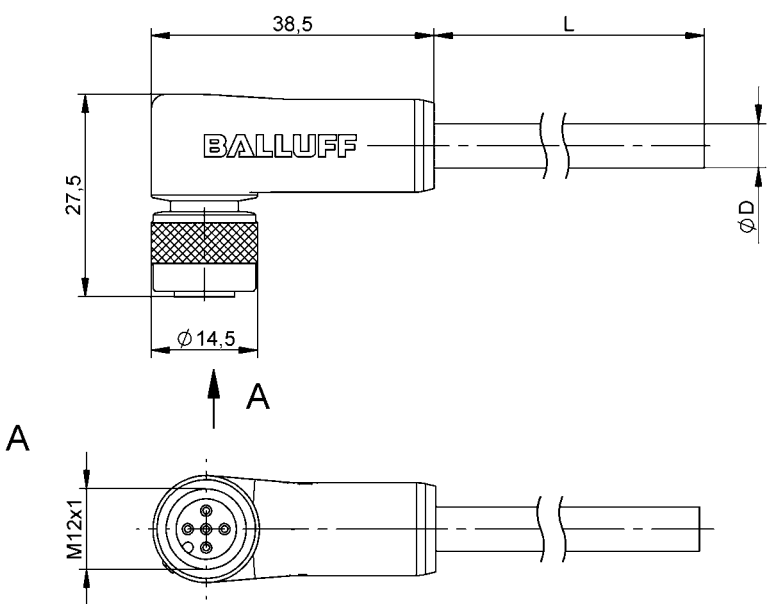


Single-Ended Cordsets  
BCC W425-0000-1A-003-SW0434-020  
Order Code: BCC0EFZ



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 mm <sup>2</sup>                           |
| Connection                          | M12x1-Female, angled, 5-pin, A-<br>coded       |
| Connector configuration             | right-angle                                    |
| Number of conductors                | 4                                              |
| Number of pins                      | 5                                              |
| System                              | Molded                                         |

Electrical data

|                                  |                   |
|----------------------------------|-------------------|
| Operating voltage U <sub>b</sub> | 250 VDC / 250 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         |

Interface

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

Material

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

Mechanical data

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

Connector Drawings



PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black

Wiring Diagrams

