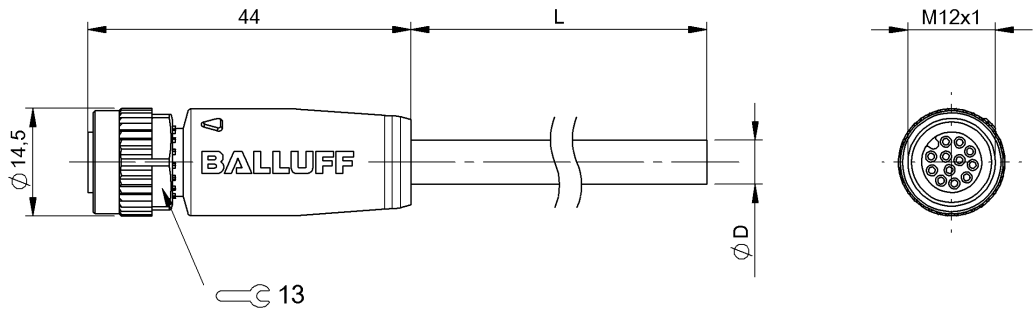


Single-Ended Cordsets  
BCC M41C-0000-1A-049-VX8C25-100  
Order Code: BCC06UT

**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                               | PVC gray, 10 m, drag chain compatible   |
| Cable diameter D                    | 6.60 mm ±0.20 mm                        |
| Cable, bending cycles min.          | 2 mil.                                  |
| Conductor cross-section             | 0.25 mm <sup>2</sup>                    |
| Connection                          | M12x1-Female, straight, 12-pin, A-coded |
| Connector configuration             | Straight                                |
| Number of conductors                | 12                                      |
| Number of pins                      | 12                                      |
| System                              | Molded                                  |

#### Electrical data

|                                  |                 |
|----------------------------------|-----------------|
| Operating voltage U <sub>b</sub> | 30 VDC / 30 VAC |
| Rated current (40 °C)            | 1.5 A           |

#### Environmental conditions

|                                             |                   |
|---------------------------------------------|-------------------|
| Ambient temperature                         | -5...80 °C        |
| Cable temperature UL max., fixed routing    | 80 °C             |
| Cable temperature UL max., flexible routing | 80 °C             |
| Cable temperature, drag chain               | -5...60 °C        |
| Cable temperature, fixed routing            | -40...105 °C      |
| Cable temperature, flexible routing         | -5...105 °C       |
| IP rating                                   | IP67, IP68, IP69K |

#### Material

|                          |               |
|--------------------------|---------------|
| Cable jacket, material   | PVC           |
| Material contact carrier | PUR           |
| Material contacts        | Bronze        |
| Material cover nut       | Die-cast zinc |
| Material grip            | PUR           |

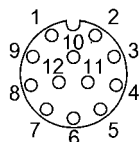
#### Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | gray                  |
| Cable length L                          | 10.00 m               |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 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 2517  
Silicone-free  
Flame resistant per IEC 60332-2, (DIN EN 60332-2)  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



- PIN 1: brown
- PIN 2: blue
- PIN 3: white
- PIN 4: green
- PIN 5: pink
- PIN 6: yellow
- PIN 7: black
- PIN 8: gray
- PIN 9: red
- PIN10: violet
- PIN 11: gray/pink
- PIN12: red/blue

Wiring Diagrams

