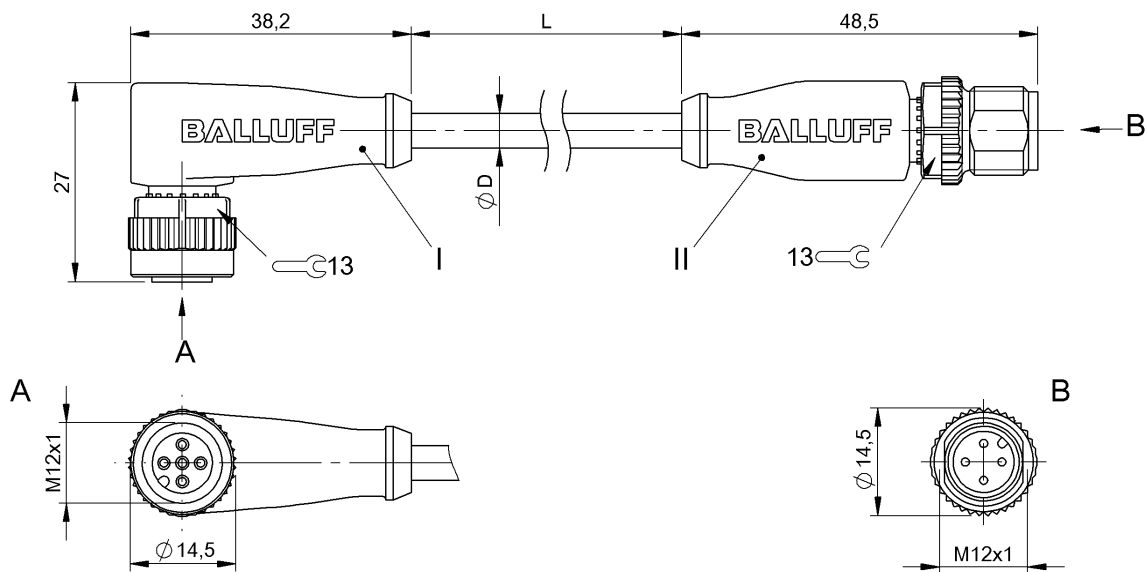


Double-Ended Cordsets  
BCC M425-M414-3A-304-VX44T2-050  
Order Code: BCC061F

**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 Yellow, 5 m                      |
| Cable diameter D                    | 5.00 mm ±0.15 mm                     |
| Cable, bending cycles min.          | 2 mil.                               |
| Conductor cross-section             | 22 AWG                               |
| Connection 1                        | M12x1-Female, angled, 5-pin, A-coded |
| Connection 2                        | M12x1-Male, straight, 4-pin, A-coded |
| Number of conductors                | 4                                    |
| System                              | Molded/Molded                        |

Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Cable rated voltage AC max. | 300 V             |
| Cable rated voltage DC max. | 300 V             |
| Operating voltage Ub        | 250 VDC / 250 VAC |
| Rated current (40 °C)       | 4.0 A             |

Remarks

Bulk cable approval per UL-AWM Style 2661 & CSA AWM I/II A/B  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Environmental conditions

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| 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/IP67, IP68, IP69K |

Interface

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

Material

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

Mechanical data

|                                         |                           |
|-----------------------------------------|---------------------------|
| Cable jacket, color                     | Yellow                    |
| Cable length L                          | 5.00 m                    |
| Horizontal travel permitted, drag chain | 5 m                       |
| Tightening torque pigtail               | 0.6 Nm/0.6 Nm             |
| Traverse speed max., drag chain         | 200 m/min                 |
| Vertical travel permitted, drag chain   | 2 m at 5 m/s <sup>2</sup> |

Connector Drawings



Wiring Diagrams

