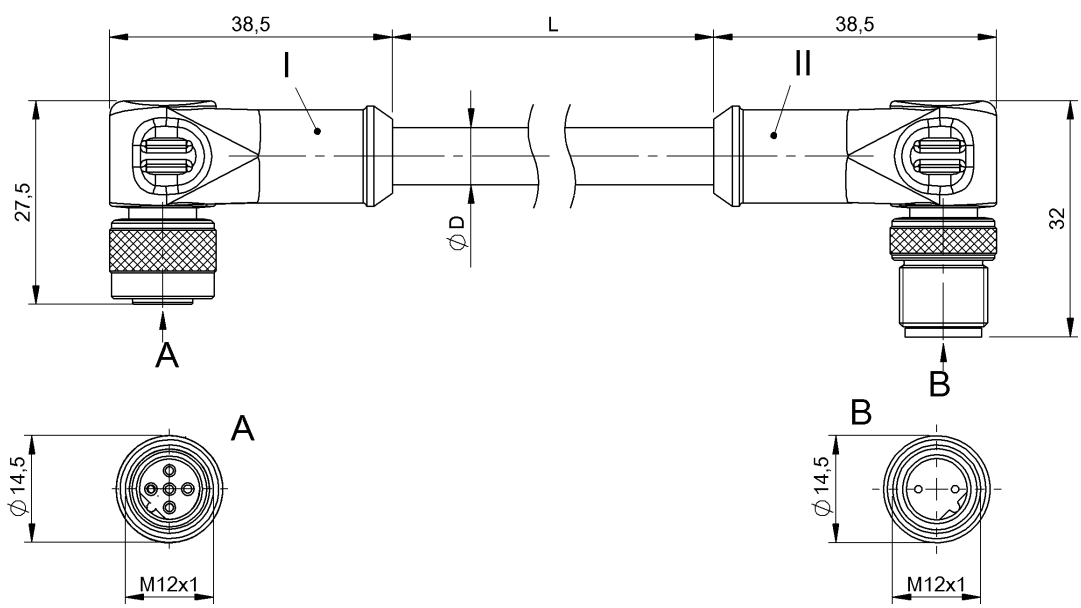


Double-Ended Cordsets  
BCC M425-M422-3B-329-PS72N1-006-C009  
Order Code: BCC0C36



### Basic features

|                     |            |
|---------------------|------------|
| Application         | Profibus   |
| Approval/Conformity | CE<br>WEEE |

### Electrical connection

|                                     |                                                   |
|-------------------------------------|---------------------------------------------------|
| Bending radius min., fixed cable    | 7.5 x D                                           |
| Bending radius min., flexible cable | 10 x D                                            |
| Cable                               | PUR Shielded violet, 0.6 m, drag chain compatible |
| Cable diameter D                    | 7.80 mm ±0.20 mm                                  |
| Cable, bending cycles min.          | 5 mil.                                            |
| Conductor cross-section             | 24 AWG                                            |
| Connection 1                        | M12x1-Female, angled, 5-pin, B-coded              |
| Connection 2                        | M12x1-Male, angled, 2-pin, B-coded                |
| Number of conductors                | 2                                                 |
| System                              | Molded/Molded                                     |

### Electrical data

|                       |                 |
|-----------------------|-----------------|
| Isolation resistance  | ≥ 1 GOhm x km   |
| Operating voltage Ub  | 60 VDC / 60 VAC |
| Rated current (40 °C) | 4.0 A           |
| Surge impedance       | 150 Ohm ±15 Ohm |

### Environmental conditions

|                                     |             |
|-------------------------------------|-------------|
| Cable temperature, drag chain       | -20...50 °C |
| Cable temperature, fixed routing    | -40...70 °C |
| Cable temperature, flexible routing | -20...60 °C |
| IP rating                           | IP67/IP67   |

### Material

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Cable jacket material, note | Shielded                                      |
| Cable jacket, material      | PUR                                           |
| Cable shield                | Aluminum foil and copper braid                |
| Material contact carrier    | PUR/PUR                                       |
| Material contacts           | Bronze/Brass                                  |
| Material cover nut          | Brass<br>nickel-plated/Brass<br>nickel-plated |
| Material grip               | PUR/PUR                                       |

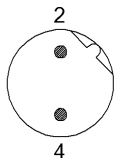
### Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 10 m/s <sup>2</sup>   |
| Cable jacket, color                     | violet                |
| Cable length L                          | 0.60 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm/0.6 Nm         |
| Traverse speed max., drag chain         | 330 m/min             |

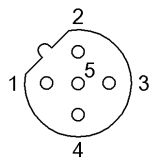
Remarks

Cable construction acc. to UL-AWM Style 20236  
Halogen-free  
Silicone-free  
Flame resistance acc. to FT1  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings

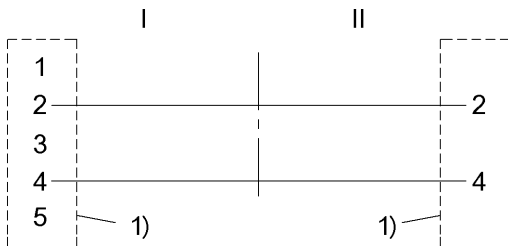


II  
PIN 2: green  
PIN 4: red



I  
PIN 1: not used  
PIN 2: green  
PIN 3: not used  
PIN 4: red  
PIN 5: not used

Wiring Diagrams



1) Shield on cover nut