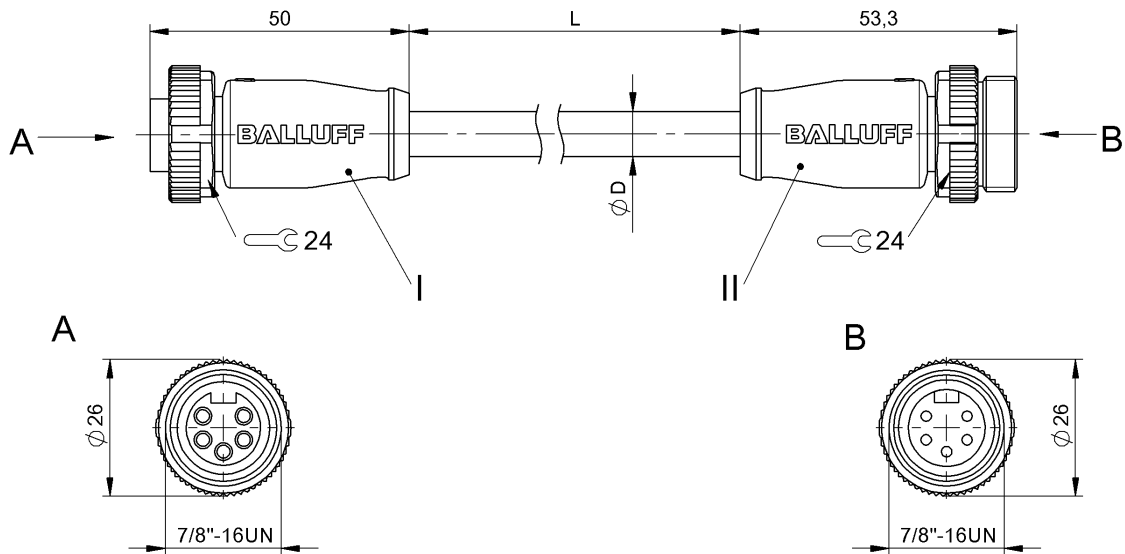


Double-Ended Cordsets  
**BCC A315-A315-30-330-VS85N6-090**  
 Order Code: BCC09YN

**BALLUFF**



**Basic features**

|                            |                     |
|----------------------------|---------------------|
| <b>Application</b>         | DeviceNet Thin      |
| <b>Approval/Conformity</b> | CE<br>cULus<br>WEEE |

**Electrical connection**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Cable</b>                   | PVC Shielded gray, 9 m       |
| <b>Cable diameter D</b>        | 7.20 mm ±0.13 mm             |
| <b>Conductor cross-section</b> | 22 AWG                       |
| <b>Connection 1</b>            | 7/8"-Female, straight, 5-pin |
| <b>Connection 2</b>            | 7/8"-Male, straight, 5-pin   |
| <b>Number of conductors</b>    | 4                            |
| <b>System</b>                  | Molded/Molded                |

**Electrical data**

|                                    |                   |
|------------------------------------|-------------------|
| <b>Cable rated voltage AC max.</b> | 300 V             |
| <b>Cable rated voltage DC max.</b> | 300 V             |
| <b>Conductor construction</b>      | 2x2 twisted-pair  |
| <b>Operating voltage Ub</b>        | 300 VDC / 300 VAC |
| <b>Rated current (40 °C)</b>       | 4.0 A             |
| <b>Surge impedance</b>             | 120 Ohm ±12 Ohm   |

**Remarks**

Cable construction acc. to CMG 75°C or CL2  
 Flame resistant per UL 1685 (CSA FT4)  
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

**Environmental conditions**

|                            |                       |
|----------------------------|-----------------------|
| <b>Ambient temperature</b> | -20...80 °C           |
| <b>IP rating</b>           | IP67, IP68/IP67, IP68 |

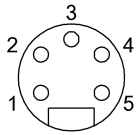
**Material**

|                                    |                                |
|------------------------------------|--------------------------------|
| <b>Cable jacket material, note</b> | Shielded                       |
| <b>Cable jacket, material</b>      | PVC                            |
| <b>Cable shield</b>                | Aluminum foil and copper braid |
| <b>Material contact carrier</b>    | PUR/PUR                        |
| <b>Material contacts</b>           | Brass/Brass                    |
| <b>Material cover nut</b>          | Die-cast zinc/Die-cast zinc    |
| <b>Material grip</b>               | PUR/PUR                        |

**Mechanical data**

|                                  |               |
|----------------------------------|---------------|
| <b>Cable jacket, color</b>       | gray          |
| <b>Cable length L</b>            | 9.00 m        |
| <b>Tightening torque pigtail</b> | 1.5 Nm/1.5 Nm |

## Connector Drawings



DeviceNet Output

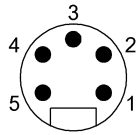
PIN 1: shield

PIN 2: +24V

PIN 3: 0V

PIN 4: CAN H

PIN 5: CAN L



DeviceNet Input

PIN 1: shield

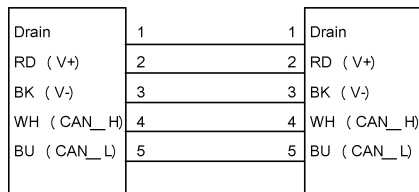
PIN 2: +24V

PIN 3: 0V

PIN 4: CAN H

PIN 5: CAN L

## Wiring Diagrams



L