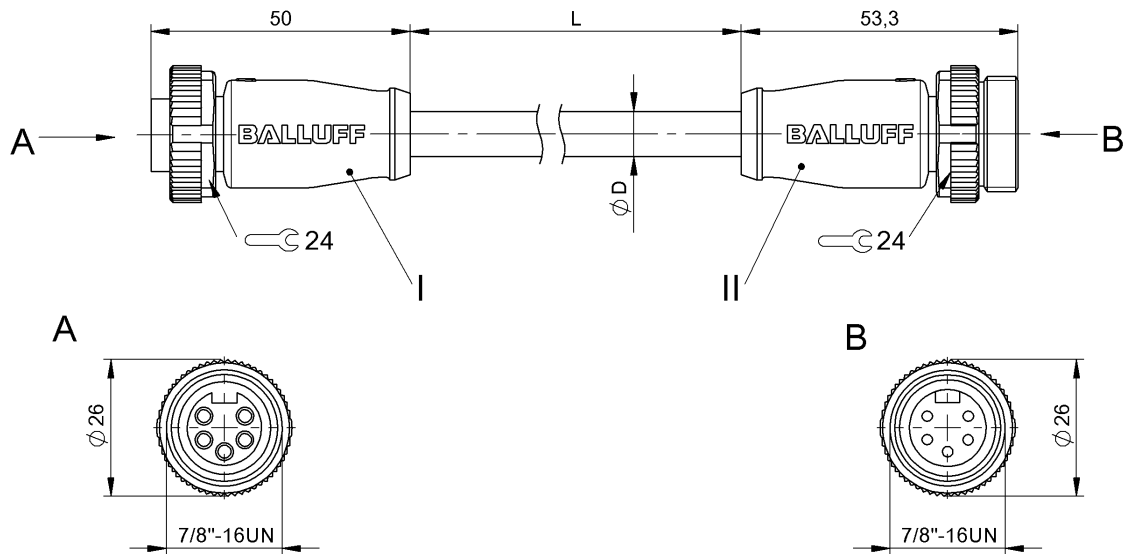


# Double-Ended Cordsets

BCC A315-A315-30-330-VS85N6-006

Order Code: BCC09YA

# BALLUFF



## Basic features

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

## Electrical connection

|                         |                              |
|-------------------------|------------------------------|
| Cable                   | PVC Shielded gray, 0.6 m     |
| Cable diameter D        | 7.20 mm $\pm$ 0.13 mm        |
| Conductor cross-section | 22 AWG                       |
| Connection 1            | 7/8"-Female, straight, 5-pin |
| Connection 2            | 7/8"-Male, straight, 5-pin   |
| Number of conductors    | 4                            |
| System                  | Molded/Molded                |

## Electrical data

|                             |                      |
|-----------------------------|----------------------|
| Cable rated voltage AC max. | 300 V                |
| Cable rated voltage DC max. | 300 V                |
| Conductor construction      | 2x2 twisted-pair     |
| Operating voltage $U_b$     | 300 VDC / 300 VAC    |
| Rated current (40 °C)       | 4.0 A                |
| Surge impedance             | 120 Ohm $\pm$ 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

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

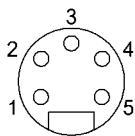
## Material

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

## Mechanical data

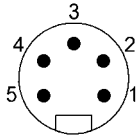
|                           |               |
|---------------------------|---------------|
| Cable jacket, color       | gray          |
| Cable length L            | 0.60 m        |
| Tightening torque pigtail | 1.5 Nm/1.5 Nm |

Connector Drawings



I

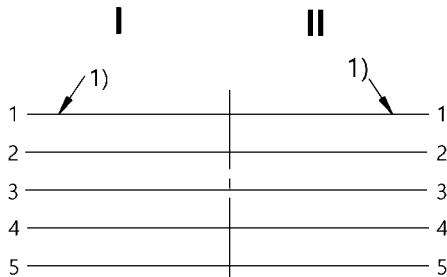
PIN 1: shield  
PIN 2: red/+24V  
PIN 3: black/0V  
PIN 4: white/CAN\_H  
PIN 5: blueCAN\_L



II

PIN 1: shield  
PIN 2: red/+24V  
PIN 3: black/0V  
PIN 4: white/CAN\_H  
PIN 5: blueCAN\_L

Wiring Diagrams



1) Shield on PIN 1