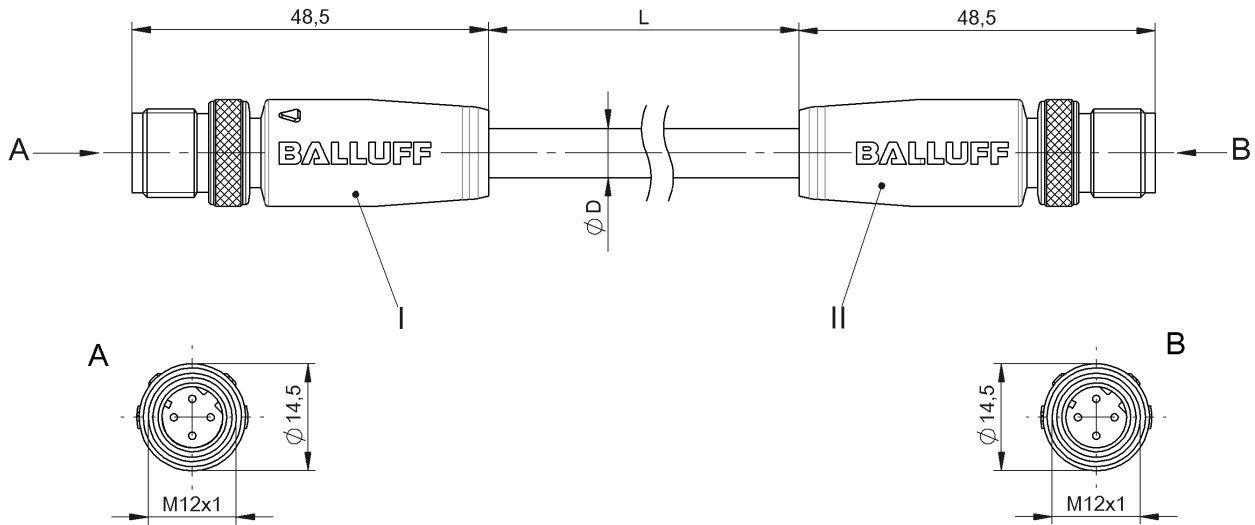


Double-Ended Cordsets
BCC M414-M414-6D-331-PS54N2-170
Order Code: BCC0JFK

BALLUFF



Basic features

| | |
|----------------------------|---------------------|
| Application | Profinet , CAT 5 |
| Approval/Conformity | CE cULus WEEE |

Electrical connection

| | |
|--------------------------------------------|-------------------------------------------------|
| Bending radius min., fixed cable | 5 x D |
| Bending radius min., flexible cable | 15 x D |
| Cable | PUR Shielded Green, 17 m, drag chain compatible |
| Cable diameter D | 6.70 mm ±0.30 mm |
| Cable, bending cycles min. | 2 mil. |
| Cable, note | Profinet Type C, CAT 5E by IEC 61156-6 |
| Conductor cross-section | 22 AWG |
| Connection 1 | M12x1-Male, straight, 4-pin, D-coded |
| Connection 2 | M12x1-Male, straight, 4-pin, D-coded |
| Number of conductors | 4 |
| System | Molded/Molded |

Electrical data

| | |
|------------------------------|---------------|
| Operating voltage Ub | 60 VDC |
| Rated current (40 °C) | 1.5 A |
| Transfer rate | 10/100 Mbit/s |

Environmental conditions

| | |
|--------------------------------------------|-------------|
| Cable temperature, fixed routing | -40...80 °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 | Brass/Brass |
| Material cover nut | Brass nickel-plated/Brass nickel-plated |
| Material grip | PUR/PUR |

Mechanical data

| | |
|------------------------------------------------|-----------------------|
| Acceleration max., drag chain | 2 m/s ² |
| Cable jacket, color | Green |
| Cable length L | 17.00 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 | 200 m/min |
| Vertical travel permitted, drag chain | 5 m |

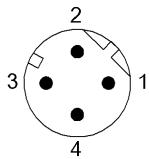
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Remarks

Cable construction acc. to UL-AWM Style 20549
Halogen-free per DIN VDE 0472 Part 815
Silicone-free
Flame resistance acc. to FT1
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.
360° shield on cover nut

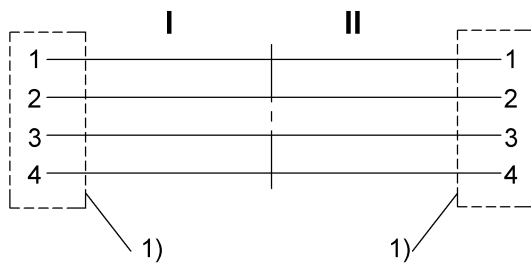
Connector Drawings



I, II

- PIN 1: yellow
- PIN 2: white
- PIN 3: orange
- PIN 4: blue

Wiring Diagrams



1) Shield on cover nut