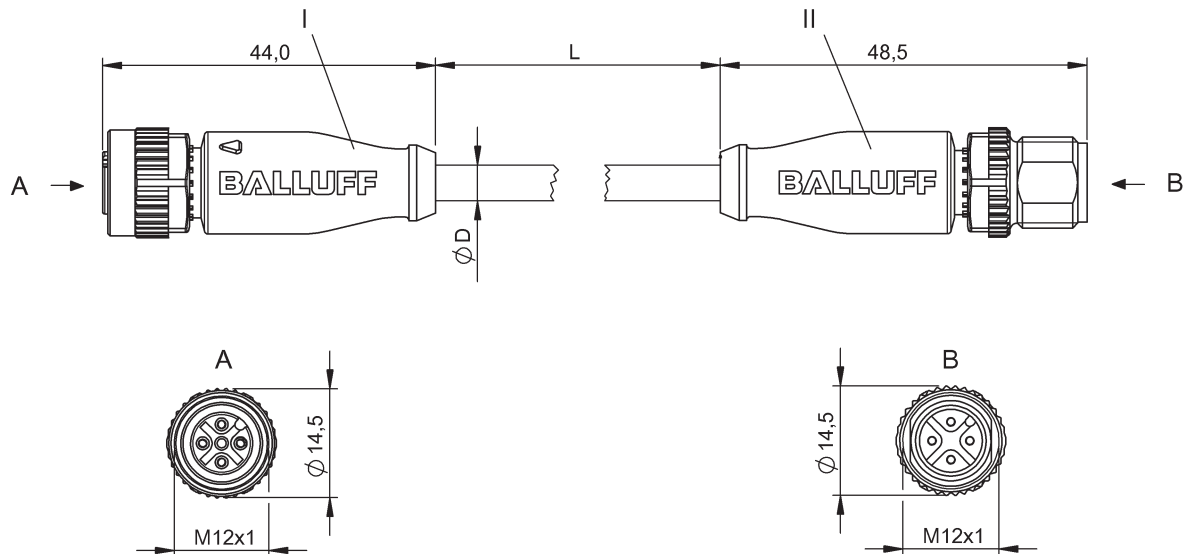




- Female M12
- Male M12
- straight / straight


**General attributes**

|                              |                       |
|------------------------------|-----------------------|
| Additional features          | Drag chain compatible |
| Approvals / Conformity       | cULus LISTED          |
| Cable jacket color           | black                 |
| Enclosure Type per IEC 60529 | IP68 / IP68           |
| Function indicator (PIN 2)   | No / No               |
| Function indicator (PIN 4)   | No / No               |
| Power indicator              | No                    |

**Electrical attributes**

|                                  |                       |
|----------------------------------|-----------------------|
| Operating voltage UB max. AC [V] | 250.0 V               |
| Operating voltage UB max. DC [V] | 250.0 V               |
| Rated current (40°C)             | 4.0 A                 |
| Switching function               | Complementary (NO/NC) |
| Switching output                 | No                    |

**Mechanical attributes**

|                                |                    |
|--------------------------------|--------------------|
| Acceleration max. (drag chain) | 5 m/s <sup>2</sup> |
| Ambient temp. max. (fixed)     | 90 °C (UL 80 °C)   |
| Ambient temp. max. (moving)    | 90 °C (UL 80 °C)   |
| Ambient temp. max.(drag chain) | 60 °C              |
| Ambient temp. min. (fixed)     | -50 °C             |
| Ambient temp. min. (moving)    | -25 °C             |
| Ambient temp. min.(drag chain) | -25 °C             |
| Bending cycles                 | > 5 Mio.           |
| Bending radius fixed cable     | min. 5 x D         |
| Bending radius tensioned cable | min. 10 x D        |

|                                |                                |
|--------------------------------|--------------------------------|
| Cable diameter D               | 4.7 +/- 0.20 mm                |
| Cable jacket material          | PUR                            |
| Cable length L [m]             | 5.00 m                         |
| Conductor cross-section        | 0.34 mm <sup>2</sup>           |
| Connector configuration        | straight / straight            |
| Connector type                 | M12x1 / M12x1                  |
| Connector type (Header I)      | Female M12                     |
| Connector type (Header II)     | Male M12                       |
| Contact material               | CuSn / CuZn                    |
| Cover nut material             | GD-Zn / GD-Zn                  |
| Drag chain compatible          | Yes                            |
| Grip material                  | PUR / PUR                      |
| Number of conductors           | 4                              |
| Number of female/male pins     | 5 / 4                          |
| Permiss.horizon. traverse dist | at 5 m/sec <sup>2</sup> 5 m    |
| Permiss.vert. traverse dist    | at 5 m/sec <sup>2</sup> 2 m    |
| System                         | molded / molded                |
| Tightening torque pigtail      | 0.6 Nm / 0.6 Nm                |
| Traverse speed max(drag chain) | at 5 m horiz. travel 200 m/min |

**Additional text**

Enclosure type accord. to IEC 60529, when threaded together with the appropriate counterpart.  
 Halogen-free per IEC 60754-1  
 Flame resistant per IEC 332-2  
 Raw Cable Approval UL+CSA, UL-AWM Style 21198 or 20549

