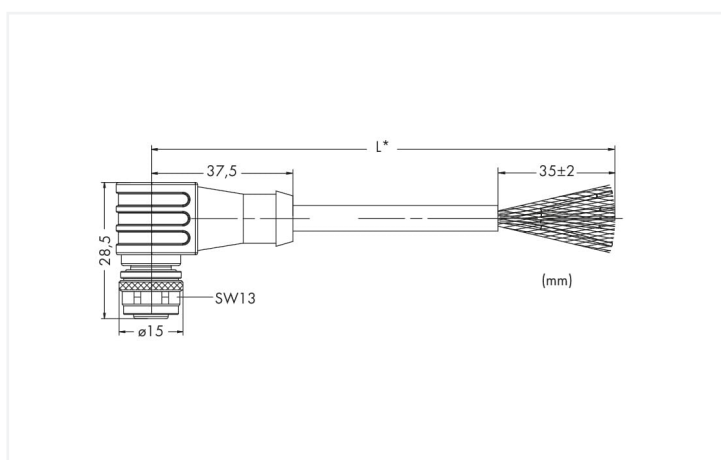
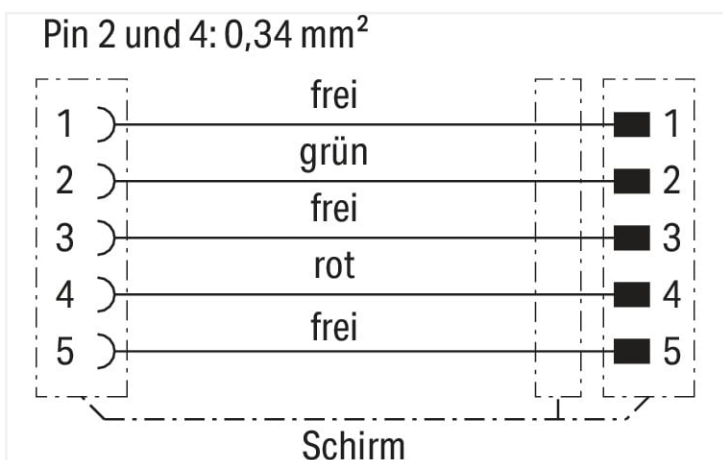


Color: ■ violet



Dimensions in mm

**Short description:**

- PUR, halogen-free
- Suitable for drag chains
- Silicon- and PVC-free
- High resistance to microbes, hydrolysis, oil, chemicals and UV radiation
- High chemical resistance

| Technical data                                 |  |
|--|--|
| Connection type                                | M12 Socket - free end                            |
| Pole number                                    | 5  |
| Cable connection direction to mating direction | 90 °   |
| Connector interface coding (cable/adapter) 1 1 | B-coded  |
| Cable length                                   | 5 m  |
| Communication/fieldbus                         | PROFIBUS   |
| Operating voltage                              | ≤ 300 V  |
| Operating current                              | 4 A  |
| Rated surge voltage                            | 2 kV   |
| Insulation resistance                          | > 2500 MΩ/km                                     |
| Conductor resistance                           | 55 Ω/km (max.); Loop resistance: 110 Ω/km (max.) |

### Mechanical data

|                         |   |
|-------------------------|---|
| Bending radius          | > 10 x cable Ø (flexible use); > 5 x cable Ø in drag chain (fixed installation) |
| Bending cycles          | 1 million   |
| Drag chain capability   | Yes   |
| Sheathed cable diameter | 7.3 ... 7.9 mm  |
| Type code               | LI02YS-(ST)CB11Y 1X(2X0.34SQMM)   |
| Shield                  | Shielding braid, (approx. 5.90 mm Ø), tinned CU-ETP1, coverage 85 % ± 5 %       |
| Conductor configuration | Bare copper wire (19 x 0.15 mm)   |
| Conductor insulation    | PE (halogen-free); Filler: PP yarn  |
| Housing material        | TPU/TPU, black (~ RAL 9005)   |
| Tightening torque       | 1 Nm  |
| Weight                  | 350 g   |
| Color                   | violet  |

### Environmental requirements

|   |                     |
|---|---------------------|
| Ambient (operating) temperature (dynamic) | -25 ... +60 °C      |
| Ambient (operating) temperature (static)  | -50 ... +80 °C      |
| Protection type                           | IP67                |
| Pollution degree                          | 3/2 per IEC 60664-1 |
| Fire load                                 | 0 MJ                |

### Commercial data

|                           |               |
|---------------------------|---------------|
| eCl@ss 10.0               | 27-06-18-01   |
| eCl@ss 9.0                | 27-06-18-01   |
| ETIM 8.0                  | EC002599      |
| ETIM 7.0                  | EC003249      |
| PU (SPU)                  | 1 pcs         |
| Packaging type            | Box           |
| Country of origin         | DE            |
| GTIN                      | 4045454521561 |
| Customs tariff number     | 85444290900   |
| End of Sale               | 2024-05-01    |
| End of Production         | 2024-05-15    |
| End of Delivery           | 2024-06-01    |
| End of Service and Repair | 2025-06-01    |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

### Approvals / Certificates

#### General approvals



| Approval                                | Standard | Certificate Name |
|---|----------|------------------|
| UL<br>Underwriters Laboratories<br>Inc. | UL 2238  | E519602          |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance  
756-1102/060-050



## Documentation

### System Description

I/O-SYSTEM – SPEED-  
WAY, General Product  
Information

pdf  
1035.20 KB



## CAD/CAE-Data

### CAE data

WSCAD Universe  
756-1102/060-050

