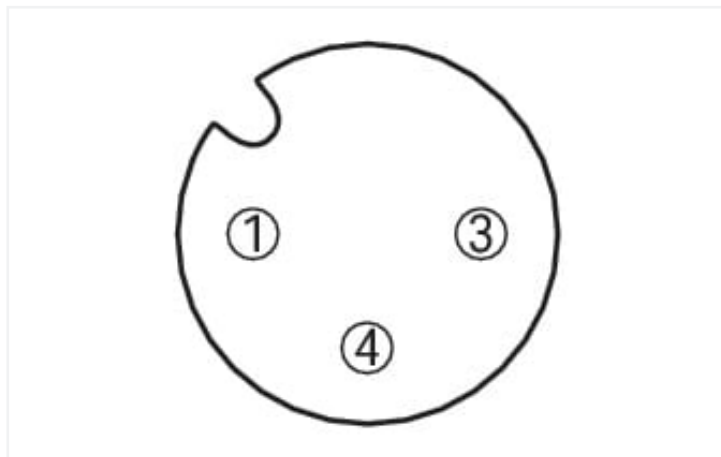


# Data Sheet | Item Number: 756-5301/030-050

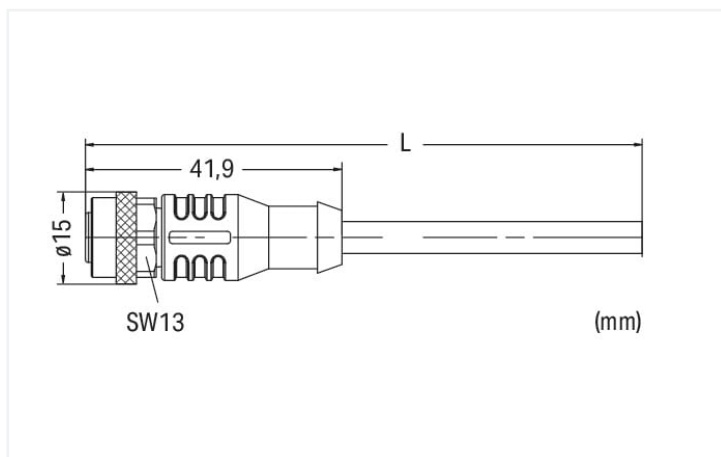
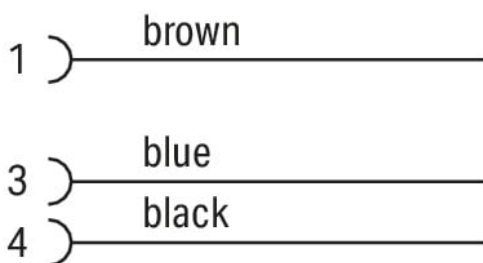
Sensor/Actuator cable; M12A socket; straight; 3-pole; Length: 5 m

<https://www.wago.com/756-5301/030-050>



Similar to illustration

Pin 1 ... 4: 0.34 mm<sup>2</sup>



Dimensions in mm

## Short description:

- PUR, halogen-free
- Suitable for drag chains
- High resistance to microbes, hydrolysis, oil, chemicals and UV radiation
- High chemical resistance
- Cable used: UL listed

## Technical data

### General information

|   |                    |
|---|--------------------|
| Operating voltage                         | 250 VAC/DC         |
| Operating current                         | 4 A                |
| Rated surge voltage                       | 2.5 kV             |
| Insulation resistance                     | >10 <sup>9</sup> Ω |
| Contact resistance                        | 10 mΩ              |
| Conductor resistance                      | ≤ 60 Ω/km          |
| Pollution degree                          | 3 per VDE 0110     |
| Protection type                           | IP67               |
| Ambient (operating) temperature (static)  | -50 ... +90 °C     |
| Ambient (operating) temperature (dynamic) | -25 ... +90 °C     |

### Drag chain compatible

|                               |                            |
|-------------------------------|----------------------------|
| Bending radius                | 10 x cable diameter (min.) |
| Bending cycles                | 2 million                  |
| Acceleration (min.)           | 5 m/s <sup>2</sup>         |
| Travel speed (max.)           | 3.33 m/s                   |
| Travel path (horizontal) max. | 5 m                        |
| Travel path (vertical) max.   | 2 m                        |
| Torsional capacity            | 180 °/m                    |

| Cable                   |   | Connector                                      |                       |
|-------------------------|---|--|-----------------------|
| Cable length            | 5 m   | Connection type                                | M12 Socket - free end |
| Type code               | LiF9YH-11YH or LiF9YC11YFHF   | Pole number                                    | 3                     |
| Conductor configuration | Bare copper wire, fine-stranded (42 x 0.1 mm)   | Cable connection direction to mating direction | 0 °                   |
| Conductor insulation    | PP9Y (halogen-free)   | Connector interface coding (cable/adapter) 1 1 | A-coded               |
| Sheath material         | Polyurethane (PUR), halogen-free per DIN VDE 0472 Part 815, flame resistant per IEC 332-2, self-extinguishing | Housing material                               | Polyurethane (PUR)    |
| Sheathed cable color    | black   | Contact material                               | CuSn                  |
| Sheathed cable diameter | 4.1 ... 4.5 mm  | Tightening torque                              | 1 Nm                  |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-06-03-11   |
| eCl@ss 9.0            | 27-06-03-11   |
| ETIM 8.0              | EC001855      |
| ETIM 7.0              | EC001855      |
| PU (SPU)              | 10 (1) pcs    |
| Packaging type        | Box           |
| Country of origin     | HU            |
| GTIN                  | 4044918974882 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance          |                                      |
|---|--------------------------------------|
| CAS-No.                                   | 7439-92-1                            |
| REACH Candidate List Substance            | Lead                                 |
| RoHS Compliance Status                    | Compliant,With Exemption             |
| RoHS Exemption                            | 6(c)                                 |
| SCIP notification number (Austria)        | 9b0affad-d7bc-4b90-80cd-203a28da7f8d |
| SCIP notification number (Belgium)        | 4a0dece3-a8be-488c-b655-35349189ee36 |
| SCIP notification number (Bulgaria)       | 15d00266-cff6-4cd8-8d58-62867c9af569 |
| SCIP notification number (Czech Republic) | aa346243-e0c6-4f46-ade3-39900a039570 |
| SCIP notification number (Denmark)        | b16fc544-d966-4938-bb74-987e1992938c |
| SCIP notification number (Finland)        | e8fd7547-c481-4b31-94d9-e5e132ec19dc |
| SCIP notification number (France)         | ca35a9e5-b5ae-4448-926e-a9cc6906aeee |
| SCIP notification number (Germany)        | ecd81309-916e-4a16-ab06-b0c36826a580 |
| SCIP notification number (Hungary)        | e03e123e-d6e6-4116-b7b0-a2e3a3f07947 |
| SCIP notification number (Italy)          | a484e4e3-e089-4482-9ee2-10db9cae390c |
| SCIP notification number (Netherlands)    | b25e8bc8-0751-4674-820b-71a8b920987d |
| SCIP notification number (Poland)         | 94e782e1-6103-44d9-93e8-dfa91e390d4a |
| SCIP notification number (Romania)        | 397c688b-9157-4c5c-8219-95de6834dd8f |
| SCIP notification number (Sweden)         | 86d71b0c-f660-4327-8747-27b20756e04f |

## 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  
756-5301/030-050



**Documentation**

**System Description**

IP67 Cables and Plug-gable Connectors

pdf  
157.80 KB



**Bid Text**

756-5301/030-050

19.02.2019

xml  
3.21 KB



756-5301/030-050

20.09.2017

doc  
25.50 KB



**CAD/CAE-Data**

**CAE data**

WSCAD Universe  
756-5301/030-050

