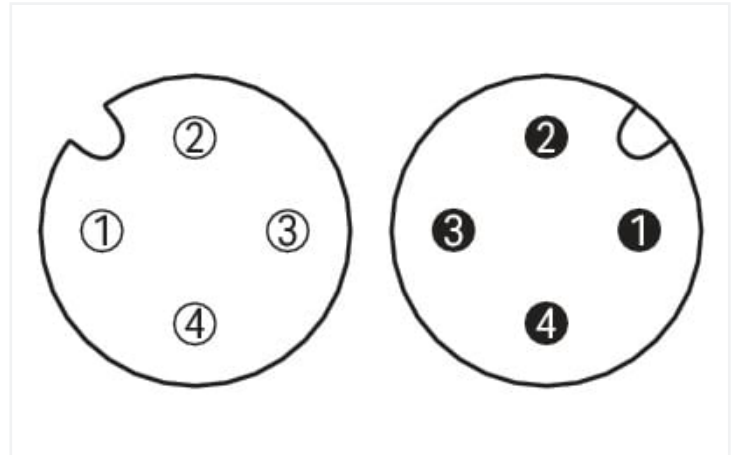


# Data Sheet | Item Number: 756-5402/040-010

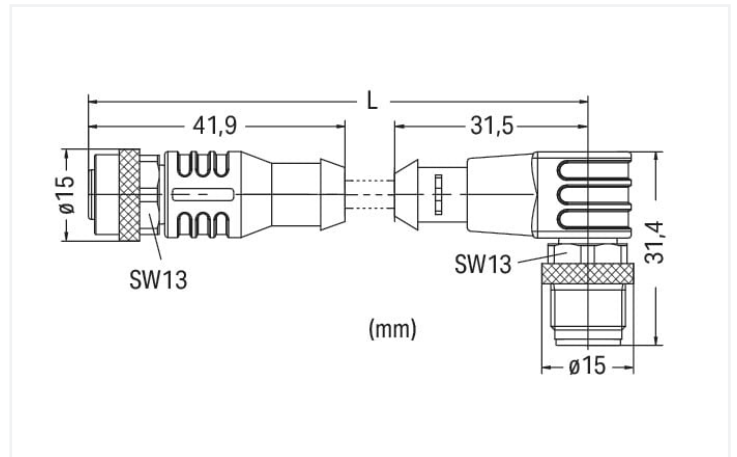
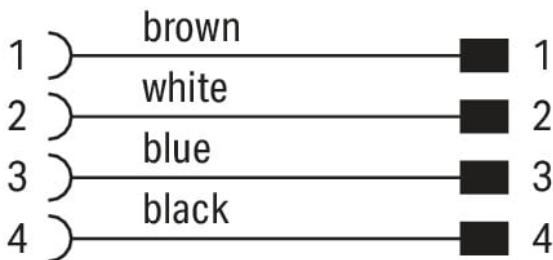
Sensor/Actuator cable; M12A socket; straight; M12A plug; angled; 4-pole; Length: 1 m

<https://www.wago.com/756-5402/040-010>



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                   |   |
|-------------------------|---|
| Cable length            | 1 m   |
| Type code               | LiF9YH-11YH or LiF9YC11YFHF   |
| Conductor configuration | Bare copper wire, fine-stranded (42 x 0.1 mm)   |
| Conductor insulation    | PP9Y (halogen-free)   |
| Sheath material         | Polyurethane (PUR), halogen-free per DIN VDE 0472 Part 815, flame resistant per IEC 332-2, self-extinguishing |
| Sheathed cable color    | black   |
| Sheathed cable diameter | 4.5 ... 4.9 mm  |

| Connector  |                       |
|--|-----------------------|
| Connection type                                    | M12 Socket - M12 plug |
| Pole number  | 4                     |
| Cable connection direction to mating direction     | 0 °                   |
| Cable connection direction to mating direction (2) | 90 °                  |
| Connector interface coding (cable/adapter) 1 1     | A-coded               |
| Connector interface coding (cable/adapter) 2 1     | A-coded               |
| Housing material                                   | Polyurethane (PUR)    |
| Contact material                                   | CuSn                  |
| 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                  | 4044918975537 |
| 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)        | 374fb659-07f6-49e3-9e8c-3d7f14f43b1d |
| SCIP notification number (Belgium)        | a5ac2f4a-07af-4a66-bb66-c44c7e48c015 |
| SCIP notification number (Bulgaria)       | 35eaf07-eb43-4033-a40d-6c1b458c95ed  |
| SCIP notification number (Czech Republic) | ae37ac7d-349d-4f2c-991e-43ecc3d3ba89 |
| SCIP notification number (Denmark)        | 7bd16b6a-5e37-418a-bd56-8df77470100d |
| SCIP notification number (Finland)        | d97a01af-c4a9-4c1f-86ce-ef1621dc4505 |
| SCIP notification number (France)         | 1f78e584-fcbf-4dce-9dc7-d8573208fe06 |
| SCIP notification number (Germany)        | ee5c571b-e2c1-4129-ad32-f58d42287c9c |
| SCIP notification number (Hungary)        | 4f05f3f3-b999-4b47-b363-052cf63e59e8 |
| SCIP notification number (Italy)          | e1d8976c-6f0c-4771-980a-6efaef62e69e |
| SCIP notification number (Netherlands)    | 35fe7c6c-6374-4e8f-85ad-ac900d006f19 |
| SCIP notification number (Poland)         | 068d6cc2-331f-498c-a6a6-192f3b6afa1d |
| SCIP notification number (Romania)        | 2d174db3-e74e-4b9f-bde8-d8c218c6ce14 |
| SCIP notification number (Sweden)         | b4a435f2-fa52-4259-bce8-c398bbd30312 |

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<br>Compliance<br>756-5402/040-010 | ↓ |
|---|---|

Documentation

System Description

|   |                  |   |
|---|------------------|---|
| IP67 Cables and Plug-<br>gable Connectors | pdf<br>157.80 KB | ↓ |
|---|------------------|---|

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 756-5402/040-010 | 19.02.2019 | xml<br>3.24 KB  | ↓ |
| 756-5402/040-010 | 20.09.2017 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

CAE data

|                                    |   |
|------------------------------------|---|
| WSCAD Universe<br>756-5402/040-010 | ↓ |
|------------------------------------|---|