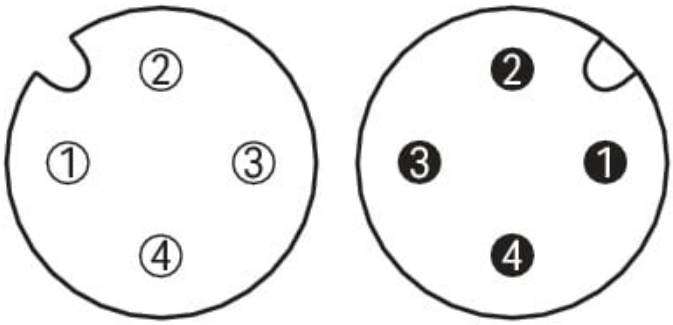
# Data Sheet | Item Number: 756-5403/040-020

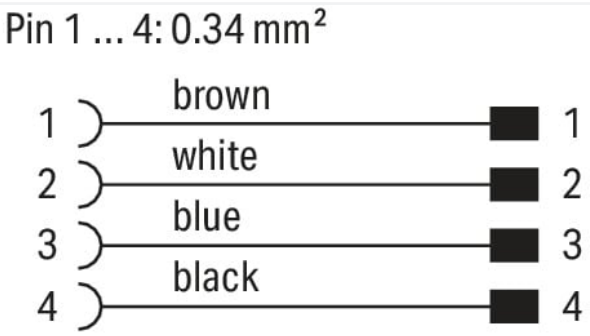
Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 4-pole; Length: 2 m

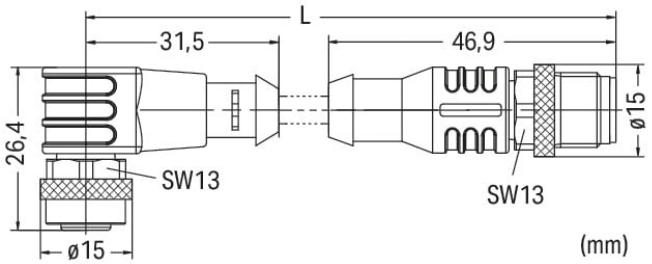
https://www.wago.com/756-5403/040-020






Similar to illustration




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 | > $10^9$ 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/s² |
| 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 | 2 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 | 90 ° |
| Cable connection direction to mating direction (2) | 0 ° |
| 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 | 4044918975568 |
| 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) | b6f17e80-45c9-47c7-85db-268b4631d677 |
| SCIP notification number (Belgium) | 4f26f4ff-e963-40bd-a191-863f02f2d990 |
| SCIP notification number (Bulgaria) | 488e801a-e741-4858-959c-062c230bad3f |
| SCIP notification number (Czech Republic) | 7140d62b-172c-4c39-831b-53c6bde48d2c |
| SCIP notification number (Denmark) | 1c75e161-fb2b-4346-bfb6-90615900462d |
| SCIP notification number (Finland) | 4a94a67b-ff8f-4f09-8083-1212cd5acce4 |
| SCIP notification number (France) | fbef07f1-740c-4936-b99f-ed78568d2c23 |
| SCIP notification number (Germany) | a9def6a1-5b3e-45e7-a25c-9d1cc1d64dc2 |
| SCIP notification number (Hungary) | e7e9713d-029b-43f1-876a-8450a88df37e |
| SCIP notification number (Italy) | f12c302c-75b3-4e43-a6b0-20d5d2965f5b |
| SCIP notification number (Netherlands) | 3d5788fb-f68f-4692-ae85-5a196edf6e10 |
| SCIP notification number (Poland) | 9abac9d6-c0b4-4348-85d1-311a2619b3c8 |
| SCIP notification number (Romania) | 8e3b6ca2-4248-44ab-b7f3-d94b94c2e97a |
| SCIP notification number (Sweden) | 779a52fe-9ed8-4048-a6cd-77e239018ad1 |


Continued on next page

## Approvals / Certificates

### General approvals

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

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
756-5403/040-020

### Documentation

**System Description**

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

**Bid Text**

| | | |
|---|---|---|
| 756-5403/040-020 | 19.02.2019 | xml<br>3.24 KB |
| 756-5403/040-020 | 20.09.2017 | doc<br>26.50 KB |

### CAD/CAE-Data

**CAE data**

WSCAD Universe
756-5403/040-020