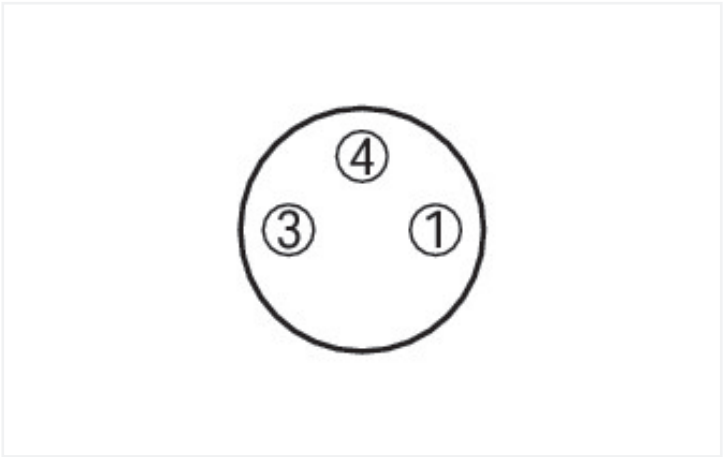




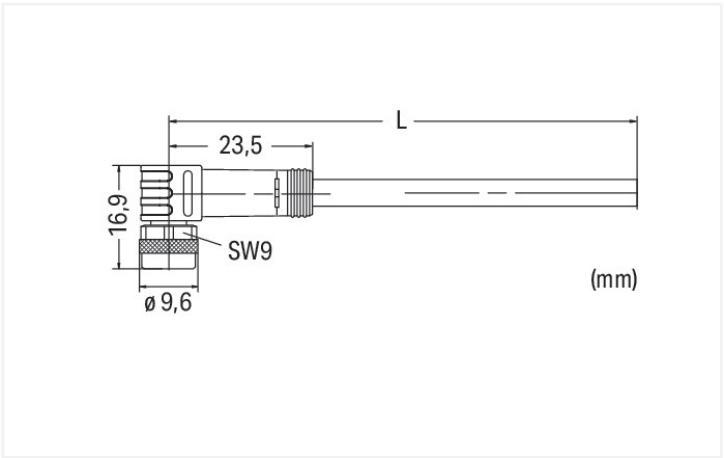
Similar to illustration

Pin 1 ... 4: 0.25 mm<sup>2</sup>

1 ) brown

3 ) blue

4 ) black



Dimensions in mm

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

| Technical data                            |                    |                               |                            |
|-------------------------------------------|--------------------|-------------------------------|----------------------------|
| General information                       |                    | Drag chain compatible         |                            |
| Operating voltage                         | AC/DC 60 V         | Bending radius                | 10 x cable diameter (min.) |
| Operating current                         | 4 A                | Bending cycles                | 2 million                  |
| Rated surge voltage                       | 1.5 kV             | Acceleration (min.)           | 5 m/s <sup>2</sup>         |
| Insulation resistance                     | >10 <sup>9</sup> Ω | Travel speed (max.)           | 3.33 m/s                   |
| Contact resistance                        | 10 mΩ              | Travel path (horizontal) max. | 5 m                        |
| Conductor resistance                      | ≤ 60 Ω/km          | Travel path (vertical) max.   | 2 m                        |
| Pollution degree                          | 3 per VDE 0110     | Torsional capacity            | 180 °/m                    |
| Protection type                           | IP67               |                               |                            |
| Ambient (operating) temperature (static)  | -50 ... +90 °C     |                               |                            |
| Ambient (operating) temperature (dynamic) | -25 ... +90 °C     |                               |                            |



| Cable                   |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Cable length            | 5 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 | 3.9 ... 4.3 mm                                                                                                |

| Connector                                      |                      |
|------------------------------------------------|----------------------|
| Connection type                                | M8 socket - free end |
| Pole number                                    | 3                    |
| Cable connection direction to mating direction | 90 °                 |
| Housing material                               | Polyurethane (PUR)   |
| Contact material                               | CuSn                 |
| Tightening torque                              | 0.6 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     | DE            |
| GTIN                  | 4044918973328 |
| 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)        | 79cacdaf-dfaa-4760-a79c-037a716ab10d |
| SCIP notification number (Belgium)        | 5b87386e-4432-49e9-b23a-e7b4c246daf6 |
| SCIP notification number (Bulgaria)       | b980664e-1233-49b1-8a2a-348ea2b1affb |
| SCIP notification number (Czech Republic) | 5e925501-36be-4875-983c-7496314dbbf0 |
| SCIP notification number (Denmark)        | 8a86907b-667a-4cc5-a87b-f61933453bbe |
| SCIP notification number (Finland)        | 63a651fa-2c79-4c2e-9414-c2349ee510d2 |
| SCIP notification number (France)         | 1c8396db-5f14-442c-9e8e-7a6961053a6b |
| SCIP notification number (Germany)        | abb9bb99-ca83-4786-b7ee-5446c7d9bc65 |
| SCIP notification number (Hungary)        | 5c9c54fa-7a33-4f33-a405-82135f407a96 |
| SCIP notification number (Italy)          | e9133bc9-81d8-4b6f-b7ac-f1626e34f809 |
| SCIP notification number (Netherlands)    | 49a24edb-fed3-4fdc-b8f5-3dc2d372da59 |
| SCIP notification number (Poland)         | b713ce83-b1b5-4e7e-a46d-4810ccd66e4c |
| SCIP notification number (Romania)        | 7a59b622-3a2a-412f-801f-8e702e7b05bc |
| SCIP notification number (Sweden)         | 73629017-d08d-4c8e-871d-9788e816789e |

| 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<br>756-5102/030-050 |  |

| Documentation                         |                  |                                |                 |
|---------------------------------------|------------------|--------------------------------|-----------------|
| System Description                    |                  | Bid Text                       |                 |
| IP67 Cables and Plug-gable Connectors | pdf<br>157.80 KB | 756-5102/030-050<br>19.02.2019 | xml<br>3.21 KB  |
|                                       |                  | 756-5102/030-050<br>20.09.2017 | doc<br>25.50 KB |

| CAD/CAE-Data                       |  |
|------------------------------------|--|
| CAE data                           |  |
| WSCAD Universe<br>756-5102/030-050 |  |