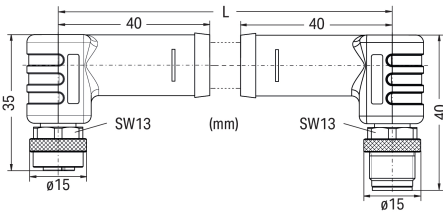
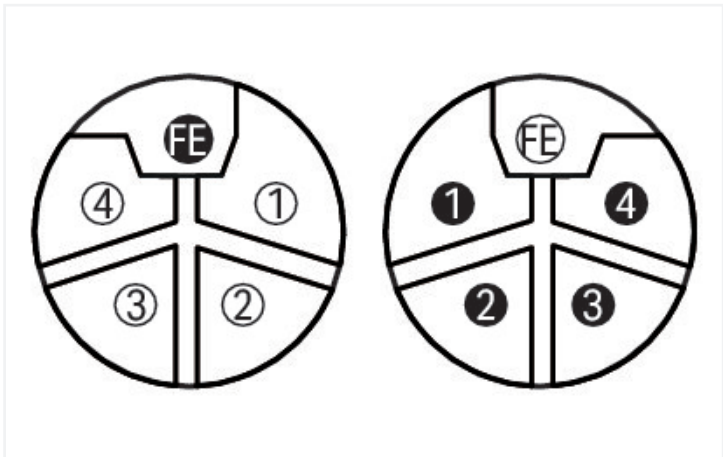




Pin 1 ... 4/FE: 2,5 mm<sup>2</sup>

|    |         |   |    |
|----|---------|---|----|
| 1  | braun   | ■ | 1  |
| 2  | weiß    | ■ | 2  |
| 3  | blau    | ■ | 3  |
| 4  | schwarz | ■ | 4  |
| FE | grau    | ■ | FE |



**Short description:**  
These power cables are accessories for the WAGO I/O System Field. Designed for industrial mechanical engineering applications, they serve as flexible, flame-retardant, and halogen-free supply cables – ideal for demanding environments such as cable chains (drag chains) and moving machine components.

- Strong resistance to microbes and hydrolysis
- Good to very good weather resistance (UV and ozone)
- High resistance against welding sparks
- Excellent chemical and oil resistance
- Silicon- and PVC-free
- Free from paint-wetting impairment substances
- Flexible at low temperatures

| Technical data                  |                            |                                           |                                 |
|---------------------------------|----------------------------|-------------------------------------------|---------------------------------|
| General information             |                            | General information                       |                                 |
| Operating voltage               | 63 VDC per IEC 60664-1     | Protection type                           | IP68                            |
| Operating current               | 16 A                       | Ambient temperature (operation)           | -40 ... +90 °C (UL max. +80 °C) |
| Rated impulse withstand voltage | 1.5 kV per IEC 61076-2-111 | Ambient (operating) temperature (static)  | -40 ... +90 °C                  |
| Insulation resistance           | ≥ 10 <sup>8</sup> Ω        | Ambient (operating) temperature (dynamic) | -30 ... +90 °C                  |
| Contact resistance              | 5 mΩ                       |                                           |                                 |
| Conductor resistance            | ≤ 8.21 Ω/km                |                                           |                                 |
| Pollution degree                | 3 per IEC 60664-1          |                                           |                                 |



| Drag chain compatible                             |                               |
|---------------------------------------------------|-------------------------------|
| Ambient air (operating) temperature in drag chain | -25 ... +60 °C                |
| Bending radius                                    | Fixed: >4xØ; Flexible: >7.5xØ |
| Bending cycles                                    | 10 million                    |
| Torsional capacity                                | 270 °/m                       |

| Cable                   |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable length            | 20 m                                                                                                                                                |
| Type code               | LiF9YH-11Y-0B 5x2.5mm²                                                                                                                              |
| Cable type              | Design per UL + CSA Style 20234                                                                                                                     |
| Conductor configuration | Bare copper wire (84 x 0.15 mm)                                                                                                                     |
| Conductor insulation    | PP9Y (halogen-free)                                                                                                                                 |
| Sheath material         | Polyurethane (PUR), halogen-free per VDE 0472, Part 815; flame-retardant per IEC 60332-1-2, VDE 0482-332-1-2, UL vertical Flame test VW-1, CSA FT-1 |
| Sheathed cable color    | gray                                                                                                                                                |

| Other properties |                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------|
| Note             | Exclusion of hazardous substances per: 200/53/EC, 2003/11/EC, (EC) No. 1907/2006, 2015/863/EU |

| Connector                                          |                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Connection type                                    | M12 Socket - M12 plug                                                                 |
| Pole number                                        | 5                                                                                     |
| Cable connection direction to mating direction     | 90 °                                                                                  |
| Cable connection direction to mating direction (2) | 90 °                                                                                  |
| Connector interface coding (cable/adaptor) 1 1     | L-coded                                                                               |
| Housing material                                   | TPU/TPU, black (~ RAL 9005)                                                           |
| Contact material (connector)                       | CuZn                                                                                  |
| Contact plating (connector)                        | Ni/Au (0.2 µm Au over Ni)                                                             |
| Connector                                          | Hexagon knurled nut: CuZn; Knurled nut surface: nickel-plated; Sealing ring: FPM/ FKM |
| Tightening torque                                  | 1 Nm                                                                                  |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4066966536454 |
| Customs tariff number | 85444290900   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 26121629             |
| ETIM 9.0               | EC001855             |
| ETIM 10.0              | EC001855             |
| ECCN                   | NO US CLASSIFICATION |

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

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
756-3516/050-200

↓

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)