

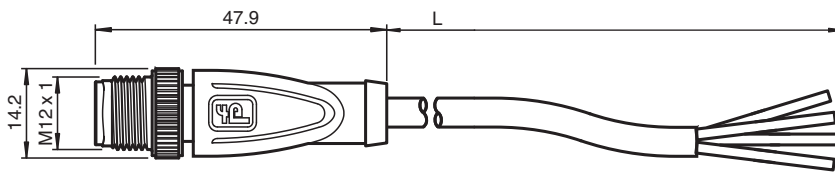
## Cable connector V1S-G-0,5M-PUR

- Degree of protection IP67 / IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Male cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                   |                  |
|-------------------|------------------|
| Connector 1       |                  |
| Connection        | Male connector   |
| Construction type | M12              |
| Style             | straight         |
| Locking           | screw connection |
| Number of pins    | 4                |
| Coding            | A-coded          |
| Connector 2       |                  |
| Connection        | cable end        |

#### Electrical specifications

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current | $I_B$ | max. 4 A         |

#### Conformity

|                      |                                     |
|----------------------|-------------------------------------|
| Degree of protection | EN 60529                            |
| Plug connection      | connector M12 x 1 : IEC 61076-2-101 |
| Halogen-free         | IEC 60754-1                         |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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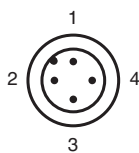
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## Technical Data

| Ambient conditions        |   |   |
|---------------------------|---|---|
| Ambient temperature       |   |   |
| Plug connector            |   | -40 ... 90 °C (-40 ... 194 °F)                                  |
| Cable, fixed              |   | -40 ... 80 °C (-40 ... 176 °F)                                  |
| Cable, flexing            |   | -25 ... 80 °C (-13 ... 176 °F)                                  |
| Pollution degree          |   | 3   |
| Mechanical specifications |   |   |
| Plug connector            |   |   |
| Tightening torque         |   | 0.6 Nm  |
| Loosening protection      |   | available   |
| Tool installation         |   | straight knurling   |
| Mating cycles             |   | min. 100  |
| Degree of protection      |   | IP67 / IP68 / IP69  |
| Cable                     |   | according to IEC/EN 60228 (DIN VDE 0295) class 5                |
| Sheath diameter           |   | 4.8 mm  |
| Bending radius            |   | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed    |
| Sheath stripping force    |   | max. 60 N / 500 mm  |
| Sheath color              |   | grey (similar to RAL 7001)                                      |
| Number of cores           |   | 4   |
| Core cross-section        |   | 0.34 mm <sup>2</sup>  |
| Cores color               |   | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black |
| Core construction         |   | 19 x 0.15 mm Ø  |
| Length                    | L | 0.5 m   |
| Cable code                |   | Li 9Y 11YM 4 x 0.34   |
| Drag chain suitability    |   |   |
| Drag chain cycles         |   | max. 50 / day   |
| Motion velocity           |   | max. 0.3 m/s  |
| Material                  |   |   |
| Halogen-free              |   | yes   |
| Plug connector            |   |   |
| Knurled screw connection  |   | Zinc die-casting, nickel-plated                                 |
| Body                      |   | TPU, black  |
| Contact surface           |   | Au  |
| Flammability              |   | V-2   |
| Cable                     |   |   |
| Sheathing                 |   | PUR based on polyether  |
| Core insulation           |   | PP  |
| Chemical resistance       |   | good  |
| Microbial resistance      |   | yes   |
| Hydrolysis resistance     |   | yes   |

## Connection Assignment



|   |       |    |
|---|-------|----|
| 1 | ————— | BN |
| 2 | ————— | WH |
| 3 | ————— | BU |
| 4 | ————— | BK |