



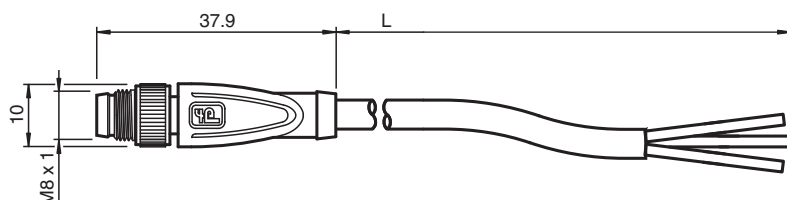
## Cable connector V3S-GM-2M-PUR

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

Male cordset single-ended M8 straight A-coded, 3-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | plug             |
| Construction type |  | M8               |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 3                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | cable end        |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 3 A               |

#### Conformity

|                      |  |                                    |
|----------------------|--|------------------------------------|
| Degree of protection |  | EN 60529                           |
| Plug connection      |  | connector M8 x 1 : IEC 61076-2-104 |
| Halogen-free         |  | IEC 60754-1                        |

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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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      | -20 ... 80 °C (-4 ... 176 °F)  |
| Pollution degree    | 3                              |

### Mechanical specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Plug connector         |                                                              |
| Tightening torque      | 0.4 Nm                                                       |
| Loosening protection   | available                                                    |
| Tool installation      | straight knurling                                            |
| Mating cycles          | min. 100                                                     |
| Degree of protection   | IP67                                                         |
| Cable                  | according to IEC/EN 60228 (DIN VDE 0295) class 5             |
| Sheath diameter        | 4.3 mm                                                       |
| Bending radius         | > 15 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force | max. 80 N / 500 mm                                           |
| Sheath color           | grey (similar to RAL 7001)                                   |
| Number of cores        | 3                                                            |
| Core cross-section     | 0.25 mm <sup>2</sup>                                         |
| Cores color            | Core 1: brown<br>Core 3: blue<br>Core 4: black               |
| Core construction      | 14 x 0.15 mm Ø                                               |
| Length                 | L 2 m                                                        |
| Cable code             | Li 9Y 11Y 3 x 0,25                                           |
| Drag chain suitability |                                                              |
| Drag chain cycles      | max. 50 / day                                                |
| Motion velocity        | max. 0.3 m/s                                                 |

### Material

|                       |                             |
|-----------------------|-----------------------------|
| Halogen-free          | yes                         |
| Plug connector        |                             |
| Screw connection      | Zinc diecast, 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 |
| 3 | BU |
| 4 | BK |