



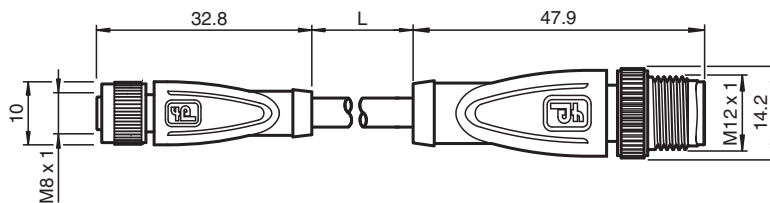
## Connection cable V3-GM-0,3M-PUR-V11-G

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

Cordset M8 socket straight to M12 plug straight A-coded, 3-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                    |  |                  |
|--------------------|--|------------------|
| <b>Connector 1</b> |  |                  |
| Connection         |  | socket           |
| Construction type  |  | M8               |
| Style              |  | straight         |
| Locking            |  | screw connection |
| Number of pins     |  | 3                |
| Coding             |  | A-coded          |
| <b>Connector 2</b> |  |                  |
| Connection         |  | plug             |
| Construction type  |  | M12              |
| Style              |  | straight         |
| Locking            |  | screw connection |
| Number of pins     |  | 3                |
| Coding             |  | A-coded          |

#### Electrical specifications

|                   |                |                        |
|-------------------|----------------|------------------------|
| Operating voltage | U <sub>B</sub> | max. 48 V AC / 60 V DC |
|-------------------|----------------|------------------------|

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

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## Technical Data

|  |       |   |
|--|-------|---|
| Operating current                                | $I_B$ | max. 3 A  |
| <b>Conformity</b>                                |       |   |
| Degree of protection                             |       | EN 60529  |
| Plug connection                                  |       | connector M8 x 1 : IEC 61076-2-104<br>connector M12 x 1 : IEC 61076-2-101 |
| Halogen-free                                     |       | IEC 60754-1   |
| <b>Ambient conditions</b>                        |       |   |
| 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   |
| <b>Mechanical specifications</b>                 |       |   |
| Connector 1                                      |       |   |
| Tightening torque                                |       | 0.4 Nm  |
| Loosening protection                             |       | available   |
| Tool installation                                |       | straight knurling   |
| Mating cycles                                    |       | min. 100  |
| Degree of protection                             |       | IP67  |
| Connector 2                                      |       |   |
| 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                                  |       | 4.3 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     | 0.3 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  |
| <b>Material</b>                                  |       |   |
| 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   |

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### Technical Data

|                       |     |
|-----------------------|-----|
| Hydrolysis resistance | yes |
|-----------------------|-----|

### Connection Assignment

