



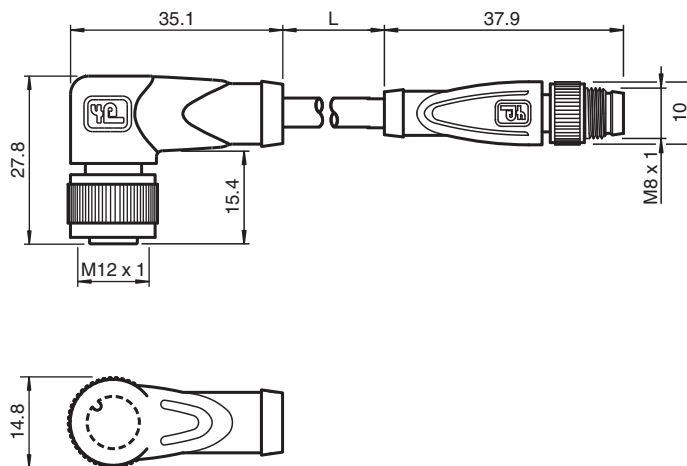
## Connection cable V1-W-2M-PUR-V31-GM

- 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 angled to M12 plug straight A-coded, 4-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | angled           |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | plug             |
| Construction type |  | M8               |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |

#### Electrical specifications

|                   |                |                 |
|-------------------|----------------|-----------------|
| Operating voltage | U <sub>B</sub> | max. 30 V AC/DC |
|-------------------|----------------|-----------------|

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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

|                                  |                |                                                                           |
|----------------------------------|----------------|---------------------------------------------------------------------------|
| Operating current                | I <sub>B</sub> | 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> |                |                                                                           |
| <b>Connector 1</b>               |                |                                                                           |
| Tightening torque                |                | 0.6 Nm                                                                    |
| Loosening protection             |                | available                                                                 |
| Tool installation                |                | straight knurling                                                         |
| Mating cycles                    |                | min. 100                                                                  |
| Degree of protection             |                | IP67 / IP68 / IP69                                                        |
| <b>Connector 2</b>               |                |                                                                           |
| 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. 60 N / 500 mm                                                        |
| Sheath color                     |                | grey (similar to RAL 7001)                                                |
| Number of cores                  |                | 4                                                                         |
| Core cross-section               |                | 0.25 mm <sup>2</sup>                                                      |
| Cores color                      |                | Core 1: brown<br>Core 2: white<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 4 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                                                                       |
| <b>Plug connector</b>            |                |                                                                           |
| Screw connection                 |                | Zinc diecast, nickel-plated                                               |
| Body                             |                | TPU, black                                                                |
| Contact surface                  |                | Au                                                                        |
| Flammability                     |                | V-2                                                                       |
| <b>Cable</b>                     |                |                                                                           |
| 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

