



# Adapter cable

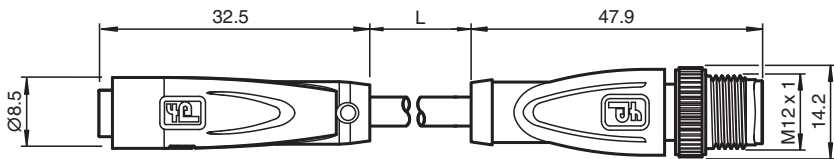
## V31-GR-2M-PUR-V1-G

- Degree of protection IP65
- Resistant to microbes and hydrolysis
- Halogen-free
- Snap locking
- Knurled nut suitable for tool assembly

Adapter cable M8 socket snap-lock straight to M12 plug straight A-coded, 4-pin, PUR cable grey



### Dimensions



### Technical Data

| General specifications    |                |                  |
|---------------------------|----------------|------------------|
| Connector 1               |                |                  |
| Connection                |                | socket           |
| Construction type         |                | M8               |
| Style                     |                | straight         |
| Locking                   |                | Snap locking     |
| Number of pins            |                | 4                |
| Coding                    |                | A-coded          |
| Connector 2               |                |                  |
| Connection                |                | Male connector   |
| Construction type         |                | M12              |
| 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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## 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              |                |                                                                           |
| Connector 1                      |                | -25 ... 90 °C (-13 ... 194 °F)                                            |
| Connector 2                      |                | -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                      |                |                                                                           |
| Mating cycles                    |                | min. 100                                                                  |
| Degree of protection             |                | IP65                                                                      |
| 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. 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                                                                       |
| Connector 1                      |                |                                                                           |
| Body                             |                | black PUR                                                                 |
| Contact surface                  |                | Au                                                                        |
| Flammability                     |                | V-2                                                                       |
| Connector 2                      |                |                                                                           |
| 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                                                                        |

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

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 **PEPPERL+FUCHS**

Technical Data

|                       |      |
|-----------------------|------|
| Chemical resistance   | good |
| Microbial resistance  | yes  |
| Hydrolysis resistance | yes  |

Connection Assignment

