



## Adapter cable

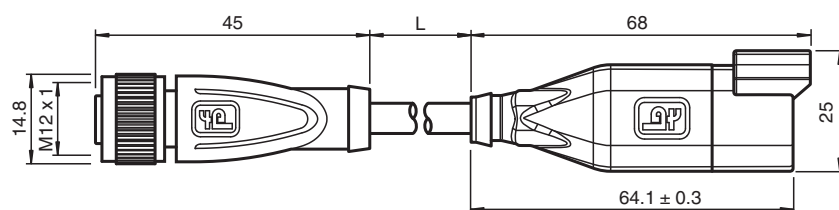
V11-G-BK0,3M-PUR-O1-DT3P-G

- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP67 / IP68 / IP69
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- cURus approval
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Adapter cable M12 socket straight A-coded to Deutsch plug straight, 3-pin, PUR cable black, drag chain suitable, outdoor



## Dimensions



## Technical Data

### General specifications

|                   |  |                    |
|-------------------|--|--------------------|
| Connector 1       |  |                    |
| Connection        |  | socket             |
| Construction type |  | M12                |
| Style             |  | straight           |
| Locking           |  | screw connection   |
| Number of pins    |  | 3                  |
| Coding            |  | A-coded            |
| Connector 2       |  |                    |
| Connection        |  | plug               |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | snap locking       |
| Number of pins    |  | 3                  |

### Electrical specifications

|                   |                |                        |
|-------------------|----------------|------------------------|
| Operating voltage | U <sub>B</sub> | max. 48 V AC / 60 V DC |
| Operating current | I <sub>B</sub> | max. 4 A               |

### Conformity

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Degree of protection |  | EN 60529                            |
| Plug connection      |  | connector M12 x 1 : IEC 61076-2-101 |
| Flammability         |  | UL 1581; DIN EN 60332-2-2           |
| Halogen-free         |  | DIN VDE 0472-815 / DIN EN 50267-2-1 |
| Oil resistance       |  | DIN EN 60811-2-1                    |

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

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## Technical Data

### Ambient conditions

|                     |                                 |
|---------------------|---------------------------------|
| Ambient temperature |                                 |
| Connector 1         | -40 ... 90 °C (-40 ... 194 °F)  |
| Connector 2         | -40 ... 125 °C (-40 ... 257 °F) |
| Cable, fixed        | -50 ... 105 °C (-58 ... 221 °F) |
| Cable, flexing      | -30 ... 105 °C (-22 ... 221 °F) |
| Pollution degree    | 3                               |

### Mechanical specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Connector 1            |                                                              |
| Tightening torque      | 0.6 Nm                                                       |
| Loosening protection   | available                                                    |
| Tool installation      | straight knurling                                            |
| Mating cycles          | min. 100                                                     |
| Degree of protection   | IP67 / IP68 / IP69                                           |
| Connector 2            |                                                              |
| Loosening protection   | available                                                    |
| Degree of protection   | IP68                                                         |
| Cable                  |                                                              |
| Sheath diameter        | 4.5 mm                                                       |
| Bending radius         | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force | max. 50 N / 300 mm                                           |
| Sheath color           | black (similar to RAL 7021)                                  |
| Number of cores        | 3                                                            |
| Core cross section     | 0.5 mm <sup>2</sup>                                          |
| Cores color            | Core 1-1: brown<br>Core 3-2: blue<br>Core 4-3: black         |
| Core construction      | 28 x 0.15 mm Ø<br>1 x symmetrically twisted                  |
| Length                 | L 0.3 m                                                      |
| Cable code             | Li 9Y 11Y 3 x 0,50                                           |
| Drag chain suitability |                                                              |
| Drag chain cycles      | min. 2000000                                                 |
| Motion velocity        | max. 3 m/s                                                   |
| Traverse distance      | max. 10 m                                                    |
| Acceleration           | max. 10 m/s <sup>2</sup>                                     |
| Mass                   | 36 g                                                         |
| Material               |                                                              |
| Halogen-free           | yes                                                          |
| Connector 1            |                                                              |
| Screw connection       | Zinc diecast, nickel-plated                                  |
| Body                   | TPU, black                                                   |
| Contact surface        | Au                                                           |
| Flammability           | V-2                                                          |
| Connector 2            |                                                              |
| Body                   | PA, black                                                    |
| Contact surface        | Ni                                                           |
| Flammability           | V-0                                                          |
| Cable                  |                                                              |
| Sheathing              | PUR based on polyether                                       |
| Core insulation        | PP                                                           |
| Salt water resistance  | yes                                                          |
| UV resistance          | yes                                                          |

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Technical Data

|                              |      |
|------------------------------|------|
| Chemical resistance          | good |
| Oil resistance               | yes  |
| Cooling lubricant resistance | yes  |
| Microbial resistance         | yes  |
| Hydrolysis resistance        | yes  |
| Flammability                 | FT2  |

Connection Assignment

