



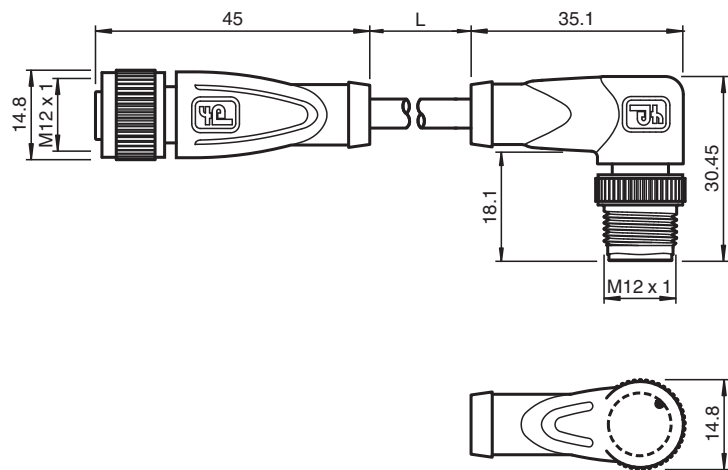
# Connection cable, shielded V1-G-80M-PUR-ABG-V1-W

- Degree of protection IP67 / IP68 / IP69
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

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



## Dimensions



## Technical Data

### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | Male connector   |
| Construction type |  | M12              |
| Style             |  | right angle      |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |

### Electrical specifications

|                   |                |                  |
|-------------------|----------------|------------------|
| Operating voltage | U <sub>B</sub> | max. 250 V AC/DC |
|-------------------|----------------|------------------|

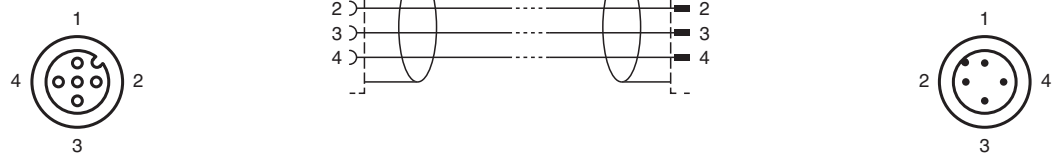
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## Technical Data

|                                  |                |                                                                 |
|----------------------------------|----------------|-----------------------------------------------------------------|
| Operating current                | I <sub>B</sub> | max. 4 A                                                        |
| <b>Conformity</b>                |                |                                                                 |
| Degree of protection             |                | EN 60529                                                        |
| Plug connection                  |                | connector M12 x 1 : IEC 61076-2-101                             |
| Halogen-free                     |                | DIN VDE 0472-815<br>DIN EN 50267-2-1                            |
| <b>Ambient conditions</b>        |                |                                                                 |
| Ambient temperature              |                |                                                                 |
| Plug connector                   |                | -40 ... 90 °C (-40 ... 194 °F)                                  |
| Cable, fixed                     |                | -40 ... 80 °C (-40 ... 176 °F)                                  |
| Cable, flexing                   |                | -25 ... 80 °C (-13 ... 176 °F)                                  |
| Pollution degree                 |                | 3                                                               |
| <b>Mechanical specifications</b> |                |                                                                 |
| Plug connector                   |                |                                                                 |
| Tightening torque                |                | 0.6 Nm                                                          |
| Loosening protection             |                | available                                                       |
| Tool installation                |                | straight knurling                                               |
| Mating cycles                    |                | min. 100                                                        |
| Shielding                        |                | shield connected to screw connection                            |
| Degree of protection             |                | IP67 / IP68 / IP69                                              |
| Cable                            |                | according to IEC/EN 60228 (DIN VDE 0295) class 5                |
| Sheath diameter                  |                | 4.8 mm                                                          |
| Bending radius                   |                | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed    |
| Sheath stripping force           |                | max. 100 N / 300 mm                                             |
| Sheath color                     |                | grey (similar to RAL 7001)                                      |
| Number of cores                  |                | 4                                                               |
| Core cross-section               |                | 0.34 mm <sup>2</sup>                                            |
| Cores color                      |                | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black |
| Core construction                |                | 19 x 0.15 mm Ø                                                  |
| Shield                           |                | tinned copper braiding, 85 % coverage                           |
| Length                           | L              | 80 m                                                            |
| Cable code                       |                | Li 9Y 11YM 4 x 0.34                                             |
| <b>Material</b>                  |                |                                                                 |
| Halogen-free                     |                | yes                                                             |
| Plug connector                   |                |                                                                 |
| 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                                                              |
| Chemical resistance              |                | good                                                            |

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Connection Assignment



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