



### Model Number

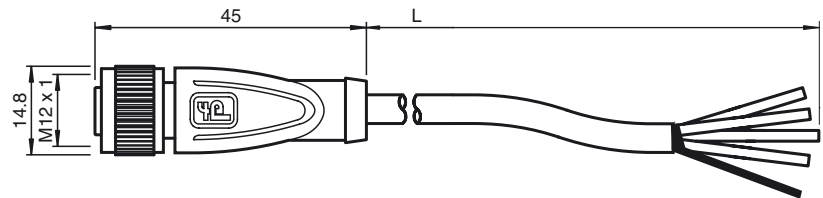
#### V15-G-15M-PUR-ABG5

Female cordset, M12, 4-pin, PUR cable, screen on pin 5

### Features

- Shield applied to Pin 5
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free

### Dimensions



### Technical data

#### General specifications

|                     |            |
|---------------------|------------|
| Number of pins      | 4 + shield |
| Connection 1        | socket     |
| Construction type 1 | straight   |
| Threading 1         | M12        |
| Connection 2        | cable end  |

#### Electrical specifications

|                    |       |                        |
|--------------------|-------|------------------------|
| Operating voltage  | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current  | $I_B$ | max. 4 A               |
| Contact resistance |       | < 10 mΩ                |

#### Ambient conditions

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, fixed: -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree    | 3                                                                                                                                      |

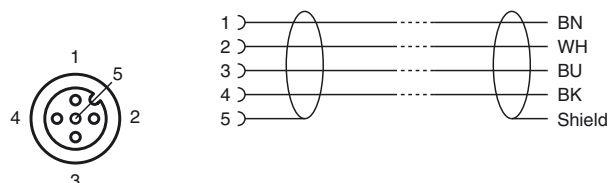
#### Mechanical specifications

|                        |                                                                  |
|------------------------|------------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                     |
| Pin diameter           | 1 mm                                                             |
| Degree of protection   | IP67 / IP68 / IP69k                                              |
| Material               |                                                                  |
| Contacts               | CuSn / Au                                                        |
| Contact surface        | Au                                                               |
| Body                   | TPU, black                                                       |
| Cable                  | PUR                                                              |
| Slotted nut            | Diecast zinc                                                     |
| Core insulation        | PP                                                               |
| Cable                  | fine-strand, flexible                                            |
| Sheath diameter        | Ø 4.8 mm                                                         |
| Bending radius         | > 10 x cable diameter, moving<br>5 x cable diameter, single bend |
| Color                  | grey                                                             |
| Number of cores        | 4                                                                |
| Core cross-section     | 0.34 mm <sup>2</sup>                                             |
| Conductor construction | 19 x 0.15 mm Ø                                                   |
| Shield                 | grid covering 85 %                                               |
| Length                 | L 15 m                                                           |
| Flammability           |                                                                  |
| Contact carrier        | 94 HB                                                            |
| Housing                | 94 V-2                                                           |

#### Compliance with standards and directives

|                      |               |
|----------------------|---------------|
| Standard conformity  |               |
| Degree of protection | EN 60529:2000 |

### Electrical connection





|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Standards     | IEC 61076-2-101:2008<br>Limited to a maximum of 500 VDC for insulation strength and surge voltage strength |
| Flammability  | Grip: UL 94                                                                                                |
| Specification | connector M12 x 1 : IEC 61076-2-101                                                                        |

Accessories

**MH V1-SCREWDRIVER**  
torque screwdriver (0.6 Nm)

**MH V1-BIT M12**  
plug-in cap M12

**MH V1-Holder**  
Modular universal holder for M12 connectors

**V1/V3-LABELHOLDER**  
Label holder

**V1/V3-LABEL**  
Label plate

**V1-MARKING-RING-BLUE**  
Marking ring for M12 plug

**V1-MARKING-RING-GREEN**  
Marking ring for M12 plug

**V1-MARKING-RING-ORANGE**  
Marking ring for M12 plug

**V1-MARKING-RING-RED**  
Marking ring for M12 plug

**V1-MARKING-RING-WHITE**  
Marking ring for M12 plug

**V1-MARKING-RING-YELLOW**  
Marking ring for M12 plug

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