

# Cable connector, NAMUR

## V1-G-N-10M-PUR

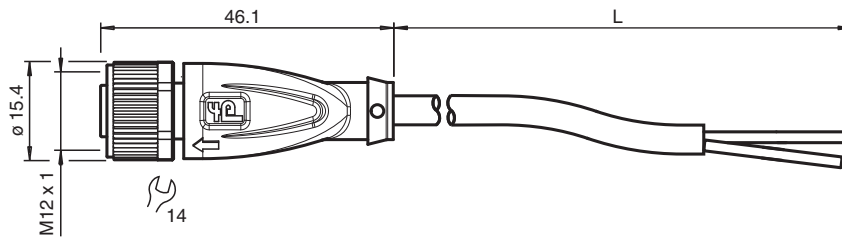


- Suitable for NAMUR technology
- Degree of protection IP68 / IP69
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 straight A-coded, 2-pin, PUR cable blue, NAMUR



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 2                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | cable end        |

#### Electrical specifications

|                             |       |                       |
|-----------------------------|-------|-----------------------|
| Operating voltage           | $U_B$ | max. 250 V AC/DC      |
| Operating current           | $I_B$ | 4 A                   |
| Resistance per unit length  | $R'$  | max. 0.057 $\Omega/m$ |
| Capacitance per unit length | $C'$  | 102.4 nF/km           |
| Inductance per unit length  | $L'$  | 0.49 mH/km            |

#### Conformity

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Degree of protection |  | EN 60529                            |
| Plug connection      |  | connector M12 x 1 : IEC 61076-2-101 |

#### Ambient conditions

|                     |  |                                |
|---------------------|--|--------------------------------|
| 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)  |

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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

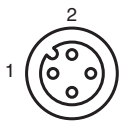
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

# Technical Data

|                                  |   |                                                               |
|----------------------------------|---|---------------------------------------------------------------|
| Pollution degree                 |   | 3                                                             |
| <b>Mechanical specifications</b> |   |                                                               |
| Plug connector                   |   |                                                               |
| Tightening torque                |   | 0.6 Nm                                                        |
| Loosening protection             |   | available                                                     |
| Tool installation                |   | straight knurling and hexagon nut SW = 14 mm                  |
| Mating cycles                    |   | min. 100                                                      |
| Degree of protection             |   | IP68 / IP69                                                   |
| Cable                            |   | according to IEC/EN 60228 (DIN VDE 0295) class 6              |
| Sheath diameter                  |   | 4.8 mm                                                        |
| Bending radius                   |   | > 15 x cable diameter, moving<br>> 10 x cable diameter, fixed |
| Sheath color                     |   | blue (similar to RAL 5015)                                    |
| Number of cores                  |   | 2                                                             |
| Core cross section               |   | 0.34 mm <sup>2</sup>                                          |
| Cores color                      |   | Core 1: brown<br>Core 2: blue                                 |
| Core construction                |   | 42 x 0.1 mm Ø                                                 |
| Length                           | L | 10 m                                                          |
| Cable code                       |   | Li FY 11Y 2 x 0.34                                            |
| <b>Material</b>                  |   |                                                               |
| Plug connector                   |   |                                                               |
| Screw connection                 |   | Zinc diecast, nickel-plated                                   |
| Body                             |   | TPU, black                                                    |
| Seal                             |   | FKM                                                           |
| Contact surface                  |   | gold plated (Au)                                              |
| Flammability                     |   | V-2                                                           |
| Cable                            |   |                                                               |
| Sheathing                        |   | PUR based on polyether                                        |
| Core insulation                  |   | PVC                                                           |
| Flammability                     |   | HB                                                            |

# Connection



1 ————— BN  
2 ————— BU

# Accessories

|                                                                                     |                          |                             |
|-------------------------------------------------------------------------------------|--------------------------|-----------------------------|
|  | <b>MH V1-SCREWDRIVER</b> | Torque screwdriver (0.6 Nm) |
|  | <b>MH V1-BIT M12</b>     | plug-in cap M12             |
|  | <b>V1/V3-LABELHOLDER</b> | Label holder                |

Accessories

|                                                                                   |                              |                                                  |
|-----------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
|  | <b>V1/V3-LABEL</b>           | Label plate                                      |
|  | <b>MH V1-Holder</b>          | Modular universal holder for M12 connectors      |
|  | <b>V1-CLIP</b>               | Unlocking protector for M12 connector            |
|  | <b>V1-MARKING-RING-COLOR</b> | Marking rings for M12 connectors, various colors |

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