

# Female cordset

## V31-WM-10M-PVC

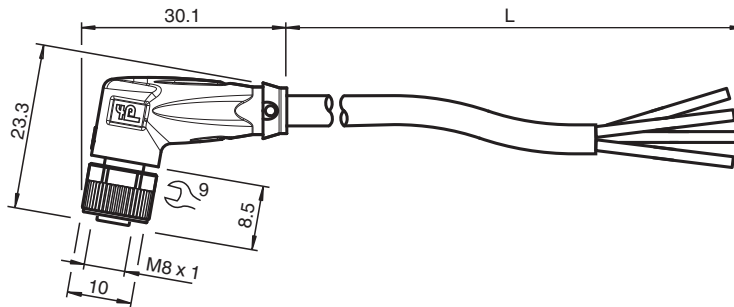


- Degree of protection IP68
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M8 angled A-coded, 4-pin, PVC cable grey



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M8               |
| Style             |  | angled           |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | cable end        |

#### Electrical specifications

|                   |       |                 |
|-------------------|-------|-----------------|
| Operating voltage | $U_B$ | max. 30 V AC/DC |
| Operating current | $I_B$ | max. 3 A        |

#### Conformity

|                      |  |                                    |
|----------------------|--|------------------------------------|
| Degree of protection |  | EN 60529                           |
| Plug connection      |  | connector M8 x 1 : IEC 61076-2-104 |

#### Ambient conditions

|                     |  |                                |
|---------------------|--|--------------------------------|
| Ambient temperature |  |                                |
| Plug connector      |  | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed        |  | -40 ... 70 °C (-40 ... 158 °F) |
| Cable, flexing      |  | -5 ... 70 °C (23 ... 158 °F)   |
| Pollution degree    |  | 3                              |

Release date: 2023-09-05 Date of issue: 2023-09-05 Filename: 109034\_eng.pdf

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

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## Technical Data

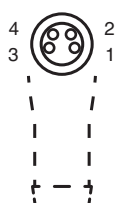
### Mechanical specifications

|                                                  |   |                                                                 |
|--------------------------------------------------|---|-----------------------------------------------------------------|
| Plug connector                                   |   |                                                                 |
| Tightening torque                                |   | 0.4 Nm                                                          |
| Loosening protection                             |   | available                                                       |
| Tool installation                                |   | straight knurling and hexagon nut SW = 9 mm                     |
| Mating cycles                                    |   | min. 100                                                        |
| Degree of protection                             |   | IP68                                                            |
| Cable                                            |   |                                                                 |
| according to IEC/EN 60228 (DIN VDE 0295) class 5 |   |                                                                 |
| Sheath diameter                                  |   | 4.3 mm                                                          |
| Bending radius                                   |   | > 15 x cable diameter, moving<br>> 10 x cable diameter, fixed   |
| Sheath stripping force                           |   | max. 80 N / 300 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 | 10 m                                                            |
| Cable code                                       |   | Li YY 4 x 0,25                                                  |

### Material

|                  |  |                             |
|------------------|--|-----------------------------|
| Plug connector   |  |                             |
| Screw connection |  | Zinc diecast, nickel-plated |
| Body             |  | TPU, black                  |
| Seal             |  | FKM                         |
| Contact surface  |  | gold plated (Au)            |
| Flammability     |  | V-2                         |
| Cable            |  |                             |
| Sheathing        |  | PVC                         |
| Core insulation  |  | PVC                         |
| Flammability     |  | flame-resistant             |

## Connection



|   |   |       |    |
|---|---|-------|----|
| 1 | → | ..... | BN |
| 2 | → | ..... | WH |
| 3 | → | ..... | BU |
| 4 | → | ..... | BK |

## Accessories

|                                                                                     |                          |                             |
|-------------------------------------------------------------------------------------|--------------------------|-----------------------------|
|  | <b>MH V3-SCREWDRIVER</b> | Torque screwdriver (0.4 Nm) |
|  | <b>MH V3-BIT M8</b>      | plug-in cap for M8          |
|  | <b>V1/V3-LABELHOLDER</b> | Label holder                |

Accessories

|                                                                                   |                     |                                            |
|-----------------------------------------------------------------------------------|---------------------|--------------------------------------------|
|  | <b>V1/V3-LABEL</b>  | Label plate                                |
|  | <b>MH V3-Holder</b> | Modular universal holder for M8 connectors |

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