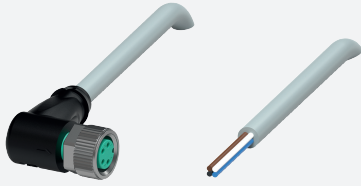


# Female cordset V31-WM-10M-PVC

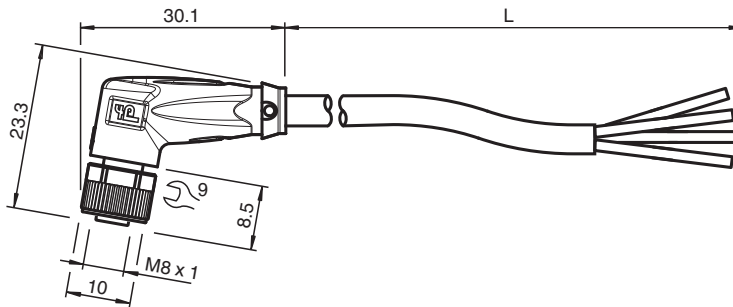


- Degree of protection IP66 / IP68
- Specific design protects against loosening and inaccurate installation

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. 4 A        |

### Conformity

|                      |  |                                    |
|----------------------|--|------------------------------------|
| Degree of protection |  | EN 60529                           |
| Plug connection      |  | connector M8 x 1 : IEC 61076-2-104 |
| Lead-free            |  | RoHS directive 2011/65/EU          |

### Ambient conditions

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

Release date: 2026-01-28 Date of issue: 2026-01-28 Filename: 109034\_eng.pdf

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

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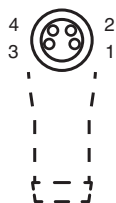
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**PEPPERL+FUCHS**

## Technical Data

|                                  |   |                                                                                          |
|----------------------------------|---|------------------------------------------------------------------------------------------|
| Pollution degree                 |   | 3                                                                                        |
| <b>Mechanical specifications</b> |   |                                                                                          |
| Plug connector                   |   |                                                                                          |
| Tightening torque                |   | 0.4 Nm                                                                                   |
| Loosening protection             |   | integrated                                                                               |
| Tool installation                |   | straight knurling and hexagon nut SW = 9 mm                                              |
| Mating cycles                    |   | min. 100                                                                                 |
| Degree of protection             |   | IP66 / IP68                                                                              |
| Cable                            |   | according to IEC/EN 60228 (DIN VDE 0295) class 5                                         |
| Sheath diameter                  |   | 4.3 mm                                                                                   |
| Bending radius                   |   | > 15 x cable diameter, movable installation<br>> 10 x cable diameter, fixed installation |
| 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                                                                           |
| Mass                             |   | 277.33 g                                                                                 |
| <b>Material</b>                  |   |                                                                                          |
| Lead-free                        |   | yes                                                                                      |
| Plug connector                   |   |                                                                                          |
| Screw connection                 |   | Zinc diecast, nickel-plated                                                              |
| Body                             |   | TPU, black                                                                               |
| Seal                             |   | FKM                                                                                      |
| Contact surface                  |   | gold plated (Au)                                                                         |
| Flammability                     |   | V-2                                                                                      |
| Cable                            |   |                                                                                          |
| Sheathing                        |   | PVC                                                                                      |
| Cores                            |   | bare copper (Cu)                                                                         |
| Core insulation                  |   | PVC                                                                                      |
| Flammability                     |   | flame-resistant                                                                          |
| <b>General information</b>       |   |                                                                                          |
| Cable marking sleeve             |   | 1x PUR transparent , fixed to cable                                                      |

## Connection Assignment



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