

# Female cordset

## V31-GM-YE10M-PVC-U

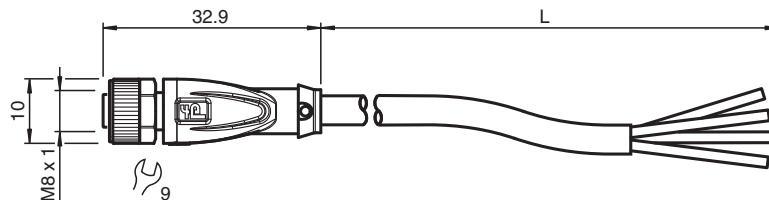


- Degree of protection IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M8 straight A-coded, 4-pin, PVC cable yellow, UL approved



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M8               |
| Style             |  | straight         |
| 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 |
| Flammability         |  | UL 1581 , IEC 60332-1-2            |

#### Approvals and certificates

|                |  |                                                   |
|----------------|--|---------------------------------------------------|
| UL approval    |  | AWM STYLE 2095 AWM I/II A/B 80°C 300V FT1 (cable) |
| UL File Number |  | E231213                                           |

#### Ambient conditions

|                     |  |                                |
|---------------------|--|--------------------------------|
| Ambient temperature |  |                                |
| Plug connector      |  | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed        |  | -25 ... 80 °C (-13 ... 176 °F) |

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

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## Technical Data

|                                  |   |                                                                 |
|----------------------------------|---|-----------------------------------------------------------------|
| Cable, flexing                   |   | -5 ... 80 °C (23 ... 176 °F)                                    |
| Pollution degree                 |   | 3                                                               |
| <b>Mechanical specifications</b> |   |                                                                 |
| 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>> 5 x cable diameter, fixed    |
| Sheath stripping force           |   | max. 50 N / 300 mm                                              |
| Sheath color                     |   | yellow (similar to RAL 1021)                                    |
| 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                                                  |
| Length                           | L | 10 m                                                            |
| Cable code                       |   | Li YY 4 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                        |   | PVC                                                             |
| Core insulation                  |   | PVC                                                             |
| Flammability                     |   | FT1                                                             |

## 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          |

Accessories

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

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