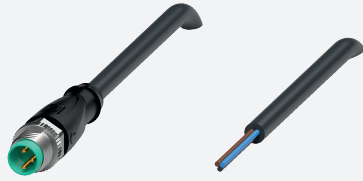


# Cable connector

## V3S-GM-BK15M-PVC-U

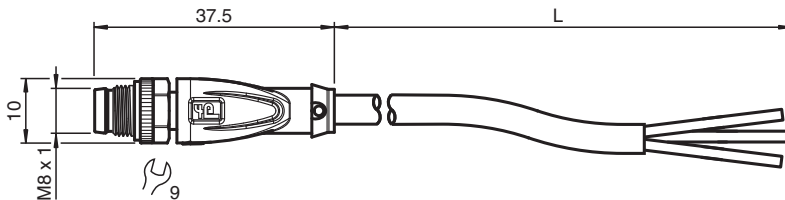


- Degree of protection IP66 / IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Male cordset single-ended M8 straight A-coded, 3-pin, PVC cable black, UL approved



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | plug             |
| Construction type |  | M8               |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 3                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | cable end        |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 4 A               |

#### Conformity

|                      |  |                                    |
|----------------------|--|------------------------------------|
| Degree of protection |  | EN 60529                           |
| Plug connection      |  | connector M8 x 1 : IEC 61076-2-104 |
| Flammability         |  | UL 1581 , IEC 60332-1-2            |
| Lead-free            |  | RoHS directive 2011/65/EU          |

#### Approvals and certificates

|                                       |  |                                                   |
|---------------------------------------|--|---------------------------------------------------|
| UL approval                           |  | AWM STYLE 2095 AWM I/II A/B 80°C 300V FT1 (cable) |
| Maximum permissible operating current |  | max. 3 A                                          |
| UL File Number                        |  | E231213                                           |

#### Ambient conditions

|                     |  |                                |
|---------------------|--|--------------------------------|
| Ambient temperature |  |                                |
| Plug connector      |  | -40 ... 90 °C (-40 ... 194 °F) |

Release date: 2026-07-24 Date of issue: 2026-07-24 Filename: 70124952-100047\_eng.pdf

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

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**PEPPERL+FUCHS**

## Technical Data

|                                  |   |                                                                                         |
|----------------------------------|---|-----------------------------------------------------------------------------------------|
| Cable, fixed installation        |   | -25 ... 80 °C (-13 ... 176 °F)                                                          |
| Cable, flexing                   |   | -5 ... 80 °C (23 ... 176 °F)                                                            |
| 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>> 5 x cable diameter, fixed installation |
| Sheath stripping force           |   | max. 50 N / 300 mm                                                                      |
| Sheath color                     |   | black (similar to RAL 9005)                                                             |
| Number of cores                  |   | 3                                                                                       |
| Core cross section               |   | 0.34 mm <sup>2</sup>                                                                    |
| Cores color                      |   | Core 1: brown<br>Core 3: blue<br>Core 4: black                                          |
| Core construction                |   | 19 x 0.15 mm Ø                                                                          |
| Length                           | L | 15 m                                                                                    |
| Cable code                       |   | Li YY 3 x 0,34                                                                          |
| Mass                             |   | 418 g                                                                                   |
| <b>Material</b>                  |   |                                                                                         |
| Lead-free                        |   | yes                                                                                     |
| Plug connector                   |   |                                                                                         |
| Screw connection                 |   | Zinc diecast, nickel-plated                                                             |
| Body                             |   | TPU, black                                                                              |
| Contact surface                  |   | gold plated (Au)                                                                        |
| Flammability                     |   | V-2                                                                                     |
| Cable                            |   |                                                                                         |
| Sheathing                        |   | PVC                                                                                     |
| Cores                            |   | bare copper (Cu)                                                                        |
| Core insulation                  |   | PVC                                                                                     |
| Flammability                     |   | FT1                                                                                     |
| <b>General information</b>       |   |                                                                                         |
| Cable marking sleeve             |   | 1x PUR transparent , fixed to cable                                                     |

## Connection Assignment



|   |    |
|---|----|
| 1 | BN |
| 3 | BU |
| 4 | BK |