



Model Number

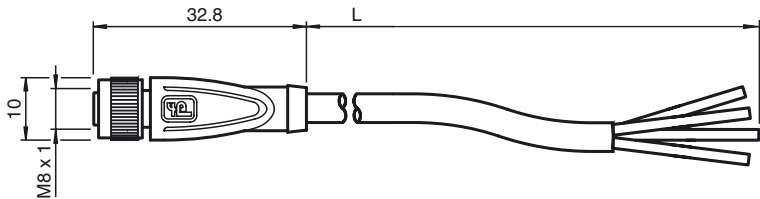
V31-GM-BK10M-PVC-U

Female cordset, M8, 4-pin, PVC cable

Features

- UL Recognized Component
- Raw cable with cURus approval
- Knurled nut suitable for tool assembly
- Gold plated contacts

Dimensions



Technical data

General specifications

|                     |           |
|---------------------|-----------|
| Number of pins      | 4         |
| Connection 1        | socket    |
| Construction type 1 | straight  |
| Threading 1         | M8        |
| Connection 2        | cable end |
| UL File Number      | E231213   |

Electrical specifications

|                   |                |                            |
|-------------------|----------------|----------------------------|
| Operating voltage | U <sub>B</sub> | max. 30 V DC               |
| Test voltage      |                | > 1500 V <sub>eff</sub> AC |
| Operating current |                | max. 4 A                   |
| Volume resistance |                | < 5 mΩ                     |

Ambient conditions

|                     |                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------|
| Ambient temperature | cable, fixed: -25 ... 80 °C (-13 ... 176 °F)<br>cable, flexing: -5 ... 80 °C (23 ... 176 °F) |
| Pollution Degree    | 3                                                                                            |

Mechanical specifications

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                  |
| Pin diameter           | 1 mm                                                          |
| Degree of protection   | IP67                                                          |
| Material               |                                                               |
| Contacts               | CuSn / Au                                                     |
| Contact surface        | Au                                                            |
| Body                   | TPU, black                                                    |
| Cable                  | PVC                                                           |
| Slotted nut            | Diecast zinc                                                  |
| Core insulation        | PVC                                                           |
| Cable                  | fine-strand, flexible                                         |
| Sheath diameter        | Ø 4.3 mm                                                      |
| Bending radius         | > 15 x cable diameter, induced<br>> 5 x cable diameter, fixed |
| Color                  | black                                                         |
| Cores                  | 4 x 0.34 mm <sup>2</sup>                                      |
| Conductor construction | 19 x 0.15 mm Ø                                                |
| Length                 | L 10 m                                                        |

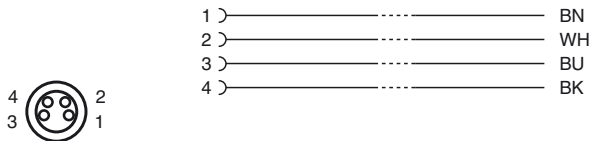
Compliance with standards and directives

|                      |                      |
|----------------------|----------------------|
| Standard conformity  |                      |
| Degree of protection | EN 60529:2000        |
| Standards            | IEC 61076-2-104:2008 |
| Flammability         | Grip: UL 94          |

Approvals and certificates

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

Electrical connection



Release date: 2014-06-24 09:44 Date of issue: 2014-06-24 240799-0012\_eng.xml

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 4411  
fa-info@de.pepperl-fuchs.com

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