

# Connection cable

## V3-WM-1,5M-PUR-V3-GM

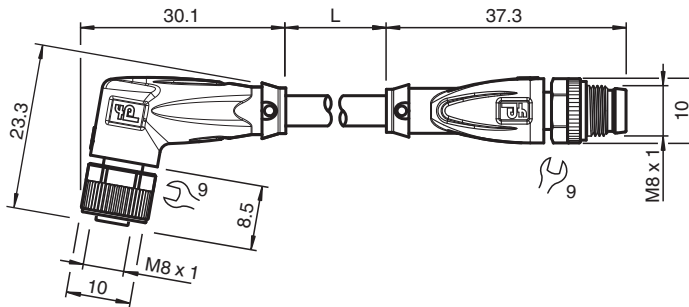


- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket angled to M8 plug straight A-coded, 3-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

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

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 3 A               |

#### Conformity

|                      |                                    |  |
|----------------------|------------------------------------|--|
| Degree of protection | EN 60529                           |  |
| Plug connection      | connector M8 x 1 : IEC 61076-2-104 |  |
| Halogen-free         | IEC 60754-1                        |  |

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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 1111  
fa-info@de.pepperl-fuchs.com

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

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## Technical Data

### Ambient conditions

#### Ambient temperature

|                |                                |
|----------------|--------------------------------|
| Plug connector | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed   | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing | -20 ... 80 °C (-4 ... 176 °F)  |

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

### 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>> 8 x cable diameter, fixed |
|----------------|--------------------------------------------------------------|

|                        |                    |
|------------------------|--------------------|
| Sheath stripping force | max. 80 N / 500 mm |
|------------------------|--------------------|

|              |                            |
|--------------|----------------------------|
| Sheath color | grey (similar to RAL 7001) |
|--------------|----------------------------|

|                 |   |
|-----------------|---|
| Number of cores | 3 |
|-----------------|---|

|                    |                      |
|--------------------|----------------------|
| Core cross section | 0.25 mm <sup>2</sup> |
|--------------------|----------------------|

|             |                                                |
|-------------|------------------------------------------------|
| Cores color | Core 1: brown<br>Core 3: blue<br>Core 4: black |
|-------------|------------------------------------------------|

|                   |                |
|-------------------|----------------|
| Core construction | 14 x 0.15 mm Ø |
|-------------------|----------------|

|        |   |       |
|--------|---|-------|
| Length | L | 1.5 m |
|--------|---|-------|

|            |                    |
|------------|--------------------|
| Cable code | Li 9Y 11Y 3 x 0,25 |
|------------|--------------------|

|                        |  |
|------------------------|--|
| Drag chain suitability |  |
|------------------------|--|

|                   |               |
|-------------------|---------------|
| Drag chain cycles | max. 50 / day |
|-------------------|---------------|

|                 |              |
|-----------------|--------------|
| Motion velocity | max. 0.3 m/s |
|-----------------|--------------|

### Material

|              |     |
|--------------|-----|
| Halogen-free | yes |
|--------------|-----|

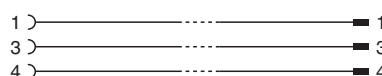
#### Plug connector

|                  |                             |
|------------------|-----------------------------|
| Screw connection | Zinc diecast, nickel-plated |
| Body             | TPU, black                  |
| Seal             | FKM                         |
| Contact surface  | gold plated (Au)            |
| Flammability     | V-2                         |

#### Cable

|                       |                        |
|-----------------------|------------------------|
| Sheathing             | PUR based on polyether |
| Core insulation       | PP                     |
| Chemical resistance   | good                   |
| Microbial resistance  | yes                    |
| Hydrolysis resistance | yes                    |

## Connection



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