



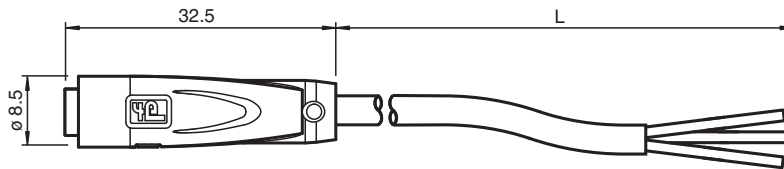
## Female cordset V3-GR-5M-PUR

- Degree of protection IP67
- Resistant to microbes and hydrolysis
- Halogen-free
- Snap locking

Female cordset single-ended M8 snap-lock straight A-coded, 3-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                    |  |              |
|--------------------|--|--------------|
| <b>Connector 1</b> |  |              |
| Connection         |  | socket       |
| Construction type  |  | M8           |
| Style              |  | straight     |
| Locking            |  | snap locking |
| Number of pins     |  | 3            |
| Coding             |  | A-coded      |

|                    |  |           |
|--------------------|--|-----------|
| <b>Connector 2</b> |  |           |
| Connection         |  | cable end |

#### 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                        |

#### Ambient conditions

|                            |  |                                |
|----------------------------|--|--------------------------------|
| <b>Ambient temperature</b> |  |                                |
| Plug connector             |  | -25 ... 90 °C (-13 ... 194 °F) |
| Cable, fixed               |  | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing             |  | -20 ... 80 °C (-4 ... 176 °F)  |
| Pollution degree           |  | 3                              |

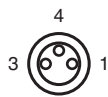
#### Mechanical specifications

Release date: 2023-08-30 Date of issue: 2023-08-30 Filename: 317131\_eng.pdf

## Technical Data

|                        |   |                                                              |
|------------------------|---|--------------------------------------------------------------|
| Plug connector         |   |                                                              |
| Mating cycles          |   | min. 100                                                     |
| Degree of protection   |   | IP67                                                         |
| Cable                  |   |                                                              |
| 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 | 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                                                 |
| <b>Material</b>        |   |                                                              |
| Halogen-free           |   | yes                                                          |
| Plug connector         |   |                                                              |
| Body                   |   | PUR, black                                                   |
| Contact surface        |   | Au                                                           |
| Flammability           |   | V-2                                                          |
| Cable                  |   |                                                              |
| Sheathing              |   | PUR based on polyether                                       |
| Core insulation        |   | PP                                                           |
| Chemical resistance    |   | good                                                         |
| Microbial resistance   |   | yes                                                          |
| Hydrolysis resistance  |   | yes                                                          |

## Connection



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