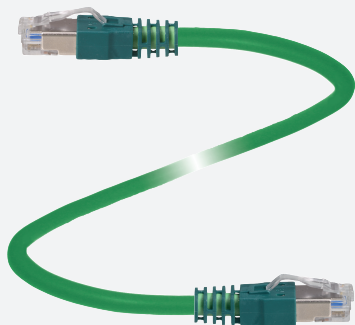




## Connection cable, Ethernet

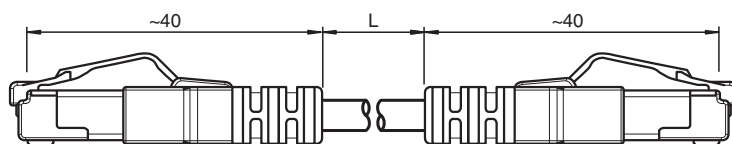
### V45-G-C5-GN2,5M-PUR-E1S-V45-G

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- Industrial Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Free of paint wetting interfering substances
- cURus approval
- Halogen-free

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable



## Dimensions



## Technical Data

### General specifications

|                           |                |                                        |
|---------------------------|----------------|----------------------------------------|
| Connector 1               |                |                                        |
| Connection                |                | plug                                   |
| Construction type         |                | RJ45                                   |
| Style                     |                | straight                               |
| Locking                   |                | snap locking                           |
| Number of pins            |                | 8                                      |
| Coding                    |                | PROFINET                               |
| Connector 2               |                |                                        |
| Connection                |                | plug                                   |
| Construction type         |                | RJ45                                   |
| Style                     |                | straight                               |
| Locking                   |                | snap locking                           |
| Number of pins            |                | 8                                      |
| Coding                    |                | PROFINET                               |
| Electrical specifications |                |                                        |
| Operating voltage         | U <sub>B</sub> | max. 48 V AC / 60 V DC                 |
| Insulation resistance     |                | min. 100 MΩ                            |
| Conformity                |                |                                        |
| Degree of protection      |                | EN 60529                               |
| Plug connection           |                | connector RJ45 : IEC 60603-7           |
| Component category        |                | CAT5 (IEC 11801) , CAT5e (IEC 61156-6) |
| Flammability              |                | IEC 60332-1-2 / UL 2556                |

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

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 **PEPPERL+FUCHS**

## Technical Data

### Approvals and certificates

|             |                                                             |
|-------------|-------------------------------------------------------------|
| UL approval | AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable) |
|-------------|-------------------------------------------------------------|

### Ambient conditions

|                     |                                                                    |
|---------------------|--------------------------------------------------------------------|
| Ambient temperature |                                                                    |
| Cable, fixed        | -30 ... 70 °C (-22 ... 158 °F) , UL: -20 ... 70 °C (-4 ... 158 °F) |
| Cable, flexing      | -20 ... 70 °C (-4 ... 158 °F)                                      |

### Mechanical specifications

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Plug connector         |                                                                   |
| Loosening protection   | available                                                         |
| Mating cycles          | min. 100                                                          |
| Shielding              | shield connected to connector                                     |
| Degree of protection   | IP20                                                              |
| Cable                  | according to IEC/EN 60228 (DIN VDE 0295) class 5                  |
| Sheath diameter        | 6 mm                                                              |
| Bending radius         | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed      |
| Sheath stripping force | max. 60 N / 100 mm                                                |
| Sheath color           | green (similar to RAL 6018)                                       |
| Number of cores        | 4                                                                 |
| Core cross section     | 0.34 mm <sup>2</sup> / 22 AWG                                     |
| Cores color            | Core 1: yellow<br>Core 2: orange<br>Core 3: white<br>Core 6: blue |
| Core construction      | 7 x 0.254 mm Ø<br>twisted quad                                    |
| Shield                 | aluminum-lined polyester foil<br>Tinned copper braiding           |
| Length                 | L 2.5 m                                                           |
| Drag chain suitability |                                                                   |
| Drag chain cycles      | max. 1000000                                                      |
| Motion velocity        | max. 3 m/s                                                        |
| Traverse distance      | max. 5 m                                                          |
| Acceleration           | max. 2 m/s <sup>2</sup>                                           |

### Material

|                |           |
|----------------|-----------|
| PWIS free      | yes       |
| Halogen-free   | yes       |
| Plug connector |           |
| Body           | PA, green |
| Flammability   | V-0       |

### Cable

|                 |                        |
|-----------------|------------------------|
| Sheathing       | PUR based on polyether |
| Core insulation | PP                     |
| Flammability    | FT2                    |

## Connection

