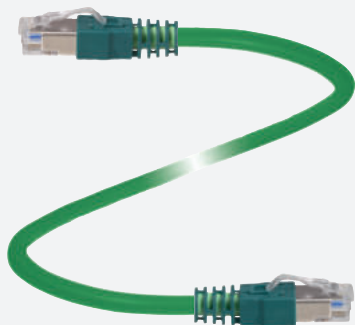




## Connection cable, Ethernet

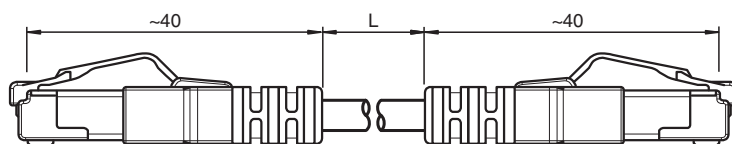
### V45-G-C5-GN10M-PUR-E1S-V45-G

- 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
- Halogen-free

Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, 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     | $U_B$ | max. 48 V AC / 60 V DC |
| Insulation resistance |       | min. 100 M $\Omega$    |

### 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 / ISO 6722-1 5.22 (UN ECE-R 118.01) |

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

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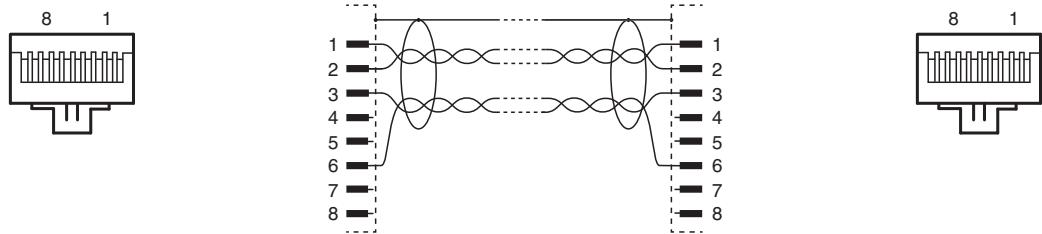
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 **PEPPERL+FUCHS**

Technical Data

|                           |   |                                                                    |
|---------------------------|---|--------------------------------------------------------------------|
| 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 mm² / 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 | 10 m                                                               |
| Drag chain suitability    |   |                                                                    |
| Drag chain cycles         |   | max. 1000000                                                       |
| Motion velocity           |   | max. 3 m/s                                                         |
| Traverse distance         |   | max. 5 m                                                           |
| Acceleration              |   | max. 2 m/s²                                                        |
| 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<br>complies with UN ECE-R 118.01                               |

Connection



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