



## Connection cable

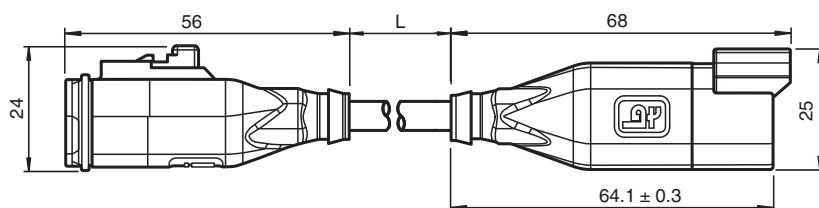
DT3S-G-BK10M-PUR-O1-DT3P-G

- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- Halogen-free
- Snap locking

Cordset Deutsch socket straight to Deutsch plug straight, 3-pin, PUR cable black, drag chain suitable, outdoor



## Dimensions



## Technical Data

### General specifications

|                   |  |                    |
|-------------------|--|--------------------|
| Connector 1       |  |                    |
| Connection        |  | socket             |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | Snap locking       |
| Number of pins    |  | 3                  |
| Connector 2       |  |                    |
| Connection        |  | Male connector     |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | Snap locking       |
| Number of pins    |  | 3                  |

### Electrical specifications

|                   |                |                        |
|-------------------|----------------|------------------------|
| Operating voltage | U <sub>B</sub> | max. 48 V AC / 60 V DC |
| Operating current | I <sub>B</sub> | max. 8 A Per contact   |

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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

 **PEPPERL+FUCHS**

## Technical Data

### Conformity

|                      |                                     |
|----------------------|-------------------------------------|
| Degree of protection | EN 60529                            |
| Flammability         | UL 1581; DIN EN 60332-2-2           |
| Halogen-free         | DIN VDE 0472-815 / DIN EN 50267-2-1 |
| Oil resistance       | DIN EN 60811-2-1                    |

### Ambient conditions

|                     |                                 |
|---------------------|---------------------------------|
| Ambient temperature |                                 |
| Plug connector      | -40 ... 125 °C (-40 ... 257 °F) |
| Cable, fixed        | -50 ... 105 °C (-58 ... 221 °F) |
| Cable, flexing      | -30 ... 105 °C (-22 ... 221 °F) |
| Pollution degree    | 3                               |

### Mechanical specifications

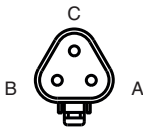
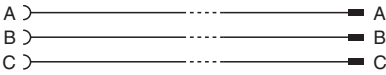
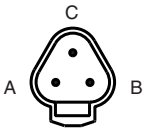
|                        |   |                                                              |
|------------------------|---|--------------------------------------------------------------|
| Plug connector         |   |                                                              |
| Loosening protection   |   | available                                                    |
| Degree of protection   |   | IP68                                                         |
| Cable                  |   | according to IEC/EN 60228 (DIN VDE 0295) class 6             |
| Sheath diameter        |   | 4.5 mm                                                       |
| Bending radius         |   | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force |   | max. 50 N / 300 mm                                           |
| Sheath color           |   | black (similar to RAL 7021)                                  |
| Number of cores        |   | 3                                                            |
| Core cross-section     |   | 0.5 mm <sup>2</sup>                                          |
| Cores color            |   | Core A: brown<br>Core B: blue<br>Core C: black               |
| Core construction      |   | 28 x 0.15 mm Ø<br>1 x symmetrically twisted                  |
| Length                 | L | 10 m                                                         |
| Cable code             |   | Li 9Y 11Y 3 x 0,50                                           |
| Drag chain suitability |   |                                                              |
| Drag chain cycles      |   | min. 2000000                                                 |
| Motion velocity        |   | max. 3 m/s                                                   |
| Traverse distance      |   | 10 m                                                         |
| Acceleration           |   | max. 10 m/s <sup>2</sup>                                     |

### Material

|                              |  |                        |
|------------------------------|--|------------------------|
| Halogen-free                 |  | yes                    |
| Plug connector               |  |                        |
| Body                         |  | PA, black              |
| Contact surface              |  | Ni                     |
| Flammability                 |  | V-0                    |
| Cable                        |  |                        |
| Sheathing                    |  | PUR based on polyether |
| Core insulation              |  | PP                     |
| Salt water resistance        |  | yes                    |
| UV resistance                |  | yes                    |
| Chemical resistance          |  | good                   |
| Oil resistance               |  | yes                    |
| Cooling lubricant resistance |  | yes                    |
| Microbial resistance         |  | yes                    |
| Hydrolysis resistance        |  | yes                    |
| Flammability                 |  | FT2                    |

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Connection Assignment



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