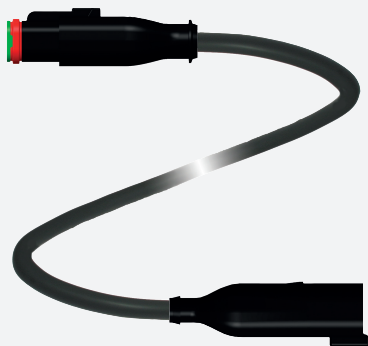




# Connection cable

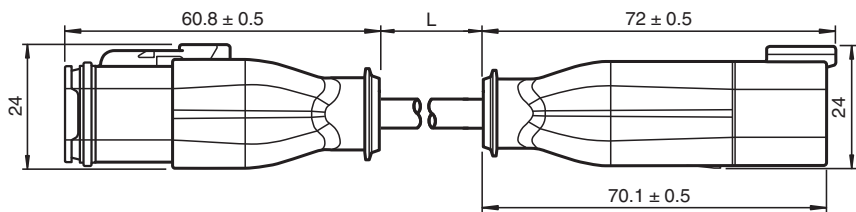
## DT6S-G-BK10M-PUR/1,5-DT6P-G

- Hard-wearing PUR cable
- Degree of protection IP68
- Free from substances that impair paint wetting
- Resistant to microbes and hydrolysis
- UV resistant
- Oil resistant
- Snap locking

Cordset Deutsch socket straight to Deutsch plug straight, 6-pin, PUR cable black



### Dimensions



### Technical Data

#### General specifications

|                   |  |                    |
|-------------------|--|--------------------|
| Connector 1       |  |                    |
| Connection        |  | socket             |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | Snap locking       |
| Number of pins    |  | 6                  |
| Connector 2       |  |                    |
| Connection        |  | Male connector     |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | Snap locking       |
| Number of pins    |  | 6                  |

#### 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   |

#### Conformity

Release date: 2020-09-23 Date of issue: 2020-09-23 Filename: 70116673\_eng.pdf

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

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 **PEPPERL+FUCHS**

## Technical Data

|                           |                                                  |                                                                                                    |
|---------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Degree of protection      | EN 60529                                         |                                                                                                    |
| Oil resistance            |                                                  | IEC 60881:404                                                                                      |
| Ambient conditions        |                                                  |                                                                                                    |
| Ambient temperature       |                                                  |                                                                                                    |
| Plug connector            |                                                  | -40 ... 125 °C (-40 ... 257 °F)                                                                    |
| Cable, fixed              |                                                  | -40 ... 85 °C (-40 ... 185 °F)                                                                     |
| Cable, flexing            |                                                  | -25 ... 85 °C (-13 ... 185 °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           |                                                  | 8.8 mm                                                                                             |
| Bending radius            |                                                  | > 8 x cable diameter, moving<br>> 4 x cable diameter, fixed                                        |
| Sheath stripping force    |                                                  | max. 50 N / 300 mm                                                                                 |
| Sheath color              |                                                  | black (similar to RAL 9005)                                                                        |
| Number of cores           |                                                  | 6                                                                                                  |
| Core cross-section        |                                                  | 1.5 mm²                                                                                            |
| Cores color               |                                                  | Core 1: white<br>Core 2: brown<br>Core 3: blue<br>Core 4: orange<br>Core 5: green<br>Core 6: black |
| Core construction         |                                                  | 84 x 0.15 mm Ø                                                                                     |
| Length                    | L                                                | 10 m                                                                                               |
| Cable code                | Li 9Y 11Y 6 x 1,5                                |                                                                                                    |
| Material                  |                                                  |                                                                                                    |
| LABS free                 |                                                  | yes                                                                                                |
| Plug connector            |                                                  |                                                                                                    |
| Body                      |                                                  | PA, black                                                                                          |
| Contact surface           |                                                  | Ni                                                                                                 |
| Flammability              |                                                  | V-2                                                                                                |
| Cable                     |                                                  |                                                                                                    |
| Sheathing                 |                                                  | PUR based on polyether                                                                             |
| Core insulation           |                                                  | PP                                                                                                 |
| UV resistance             |                                                  | yes                                                                                                |
| Chemical resistance       |                                                  | good                                                                                               |
| Oil resistance            |                                                  | yes                                                                                                |
| Microbial resistance      |                                                  | yes                                                                                                |
| Hydrolysis resistance     |                                                  | yes                                                                                                |

## Connection Assignment

