

## Connection cable

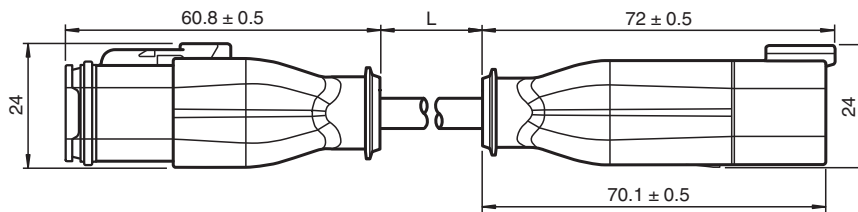
DT6S-G-BK5M-PUR-O1-DT6P-G

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

Cordset Deutsch socket straight to Deutsch plug straight, 6-pin, PUR cable black, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

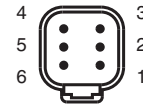
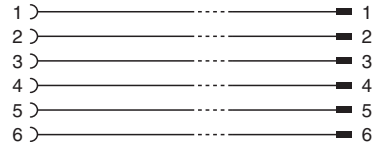
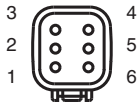
|                                  |       |  |
|----------------------------------|-------|--|
| <b>Connector 1</b>               |       |  |
| Connection                       |       | socket   |
| Construction type                |       | Deutsch connectors                                 |
| Style                            |       | straight   |
| Locking                          |       | snap locking                                       |
| Number of pins                   |       | 6  |
| <b>Connector 2</b>               |       |  |
| Connection                       |       | plug   |
| Construction type                |       | Deutsch connectors                                 |
| Style                            |       | straight   |
| Locking                          |       | snap locking                                       |
| Number of pins                   |       | 6  |
| <b>Electrical specifications</b> |       |  |
| Operating voltage                | $U_B$ | max. 48 V AC / 60 V DC                             |
| Operating current                | $I_B$ | max. 8 A per contact                               |
| <b>Conformity</b>                |       |  |
| Degree of protection             |       | EN 60529   |
| Flammability                     |       | UL 1581; DIN EN 60332-2-2                          |
| Halogen-free                     |       | DIN VDE 0472-815 / IEC 60754-1                     |
| UV resistance                    |       | on the basis of DIN EN ISO 4892-2-A for 1000 hours |
| Oil resistance                   |       | DIN EN 60811-2-1                                   |
| <b>Ambient conditions</b>        |       |  |

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## Technical Data

|                                  |   |  |
|----------------------------------|---|--|
| Ambient temperature              |   |  |
| Plug connector                   |   | -40 ... 125 °C (-40 ... 257 °F)  |
| Cable, fixed installation        |   | -40 ... 105 °C (-40 ... 221 °F)  |
| Cable, flexing                   |   | -30 ... 105 °C (-22 ... 221 °F)  |
| Pollution degree                 |   | 3  |
| <b>Mechanical specifications</b> |   |  |
| Plug connector                   |   |  |
| Loosening protection             |   | available  |
| Degree of protection             |   | IP68   |
| Cable                            |   |  |
| Sheath diameter                  |   | 6 mm   |
| Bending radius                   |   | > 10 x cable diameter, movable installation<br>> 5 x cable diameter, fixed installation            |
| Sheath stripping force           |   | max. 50 N / 300 mm   |
| Sheath color                     |   | black (similar to RAL 7021)  |
| Number of cores                  |   | 6  |
| Core cross section               |   | 0.5 mm <sup>2</sup>  |
| 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                |   | 28 x 0.15 mm Ø<br>1 x symmetrically twisted  |
| Length                           | L | 5 m  |
| Cable code                       |   | Li 9Y 11Y 6 x 0,50   |
| Drag chain suitability           |   |  |
| Drag chain cycles                |   | min. 2000000   |
| Motion velocity                  |   | max. 3 m/s   |
| Traverse distance                |   | max. 10 m  |
| Acceleration                     |   | max. 10 m/s <sup>2</sup>   |
| <b>Material</b>                  |   |  |
| PWIS free                        |   | yes  |
| Halogen-free                     |   | yes  |
| Plug connector                   |   |  |
| Body                             |   | PA, black  |
| Contact surface                  |   | Ni   |
| Flammability                     |   | V-2  |
| Cable                            |   |  |
| Sheathing                        |   | PUR based on polyether   |
| Cores                            |   | bare copper (Cu)   |
| Core insulation                  |   | PP   |
| Salt water resistance            |   | yes  |
| UV resistance                    |   | yes  |
| Chemical resistance              |   | good   |
| Oil resistance                   |   | yes  |
| Microbial resistance             |   | yes  |
| Hydrolysis resistance            |   | yes  |
| Flammability                     |   | FT2  |

### Connection Assignment



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