



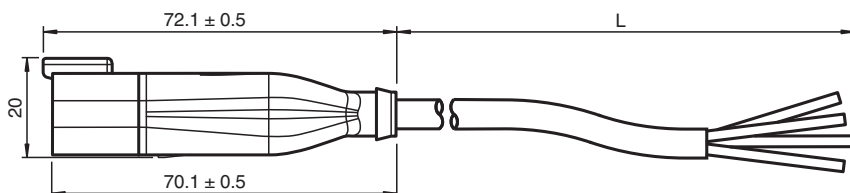
## Cable connector DT4P-G-BK6M-PUR-O1

- 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

Male cordset single-ended Deutsch plug straight, 4-pin, PUR cable black, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

|                   |  |                    |
|-------------------|--|--------------------|
| Connector 1       |  |                    |
| Connection        |  | plug               |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | snap locking       |
| Number of pins    |  | 4                  |
| Connector 2       |  |                    |
| Connection        |  | cable end          |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 8 A per contact   |

#### 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

Release date: 2023-08-30 Date of issue: 2023-08-30 Filename: 70116664\_eng.pdf

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

|                              |   |                                                                 |
|------------------------------|---|-----------------------------------------------------------------|
| Plug connector               |   |                                                                 |
| Loosening protection         |   | available                                                       |
| Degree of protection         |   | IP68                                                            |
| Cable                        |   | according to IEC/EN 60228 (DIN VDE 0295) class 6                |
| Sheath diameter              |   | 4.8 mm                                                          |
| Bending radius               |   | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed    |
| Sheath stripping force       |   | max. 50 N / 300 mm                                              |
| Sheath color                 |   | black (similar to RAL 7021)                                     |
| Number of cores              |   | 4                                                               |
| Core cross section           |   | 0.5 mm <sup>2</sup>                                             |
| Cores color                  |   | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black |
| Core construction            |   | 28 x 0.15 mm Ø<br>1 x symmetrically twisted                     |
| Length                       | L | 6 m                                                             |
| Cable code                   |   | Li 9Y 11Y 4 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>                                        |
| <b>Material</b>              |   |                                                                 |
| 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                                                             |

## Connection



|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |