



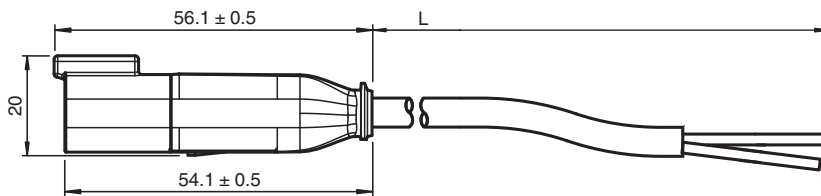
## Cable connector DT2P-G-BK6M-PUR/0,75

- 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

Male cordset single-ended Deutsch plug straight, 2-pin, PUR cable black



### Dimensions



### Technical Data

#### General specifications

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

#### 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

|                      |  |               |
|----------------------|--|---------------|
| Degree of protection |  | EN 60529      |
| Halogen-free         |  | IEC 60754-1   |
| Oil resistance       |  | IEC 60881:404 |

#### Ambient conditions

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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

|                                  |   |                                                             |
|----------------------------------|---|-------------------------------------------------------------|
| 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                                                           |
| <b>Mechanical specifications</b> |   |                                                             |
| Plug connector                   |   |                                                             |
| Loosening protection             |   | available                                                   |
| Degree of protection             |   | IP68                                                        |
| Cable                            |   | according to IEC/EN 60228 (DIN VDE 0295) class 6            |
| Sheath diameter                  |   | 5 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                  |   | 2                                                           |
| Core cross-section               |   | 0.75 mm <sup>2</sup> / 18 AWG                               |
| Cores color                      |   | Core 1: brown<br>Core 2: blue                               |
| Core construction                |   | 42 x 0.15 mm Ø                                              |
| Length                           | L | 6 m                                                         |
| Cable code                       |   | Li 9Y 11Y 2 x 0.75                                          |
| <b>Material</b>                  |   |                                                             |
| LABS free                        |   | yes                                                         |
| Halogen-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

