



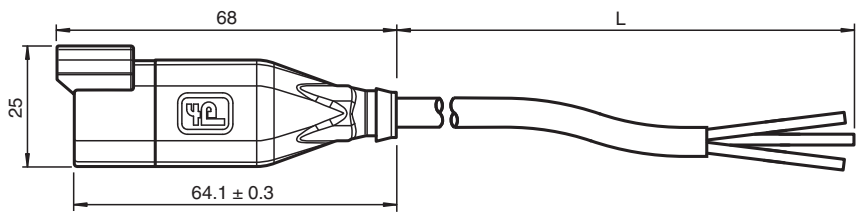
# Cable connector DT3P-G-BK6M-PUR-O1

- 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, 3-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    |  | 3                  |

|             |  |           |
|-------------|--|-----------|
| 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                |
| UV resistance        |  | on the basis of DIN EN ISO 4892-2-A for 1000 hours |
| Oil resistance       |  | DIN EN 60811-2-1                                   |

### Ambient conditions

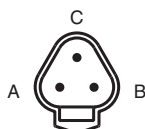
|                           |  |                                 |
|---------------------------|--|---------------------------------|
| Ambient temperature       |  |                                 |
| Plug connector            |  | -40 ... 125 °C (-40 ... 257 °F) |
| Cable, fixed installation |  |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

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## Technical Data

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| 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                  | 4.5 mm                                                                                  |
| Bending radius                   | > 10 x cable diameter, movable installation<br>> 8 x cable diameter, fixed installation |
| 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 6 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>                                                                |
| <b>Material</b>                  |                                                                                         |
| Halogen-free                     | yes                                                                                     |
| Plug connector                   |                                                                                         |
| Body                             | PA, black                                                                               |
| Contact surface                  | Ni                                                                                      |
| Flammability                     | V-0                                                                                     |
| 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                                                                                     |
| Cooling lubricant resistance     | yes                                                                                     |
| Microbial resistance             | yes                                                                                     |
| Hydrolysis resistance            | yes                                                                                     |
| Flammability                     | FT2                                                                                     |

## Connection Assignment



|   |    |
|---|----|
| A | BN |
| B | BU |
| C | BK |