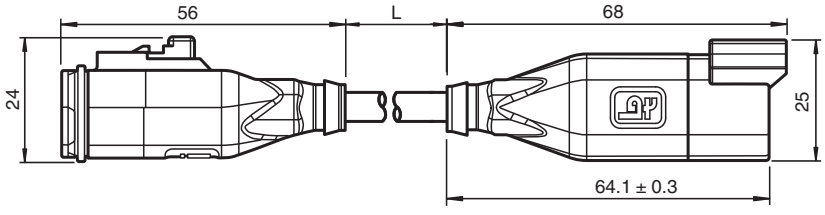
# Connection cable

## DT3S-G-BK1,5M-PUR-O1-DT3P-G

- 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

Cordset Deutsch socket straight to Deutsch plug straight, 3-pin, PUR cable black, drag chain suitable, outdoor

## Dimensions




## Technical Data

| | | |
|---|---|---|
| **General specifications** | | |
| Connector 1 | | |
| Connection | | socket |
| Construction type | | Deutsch connectors |
| Style | | straight |
| Locking | | Snap locking |
| Number of pins | | 3 |
| Connector 2 | | |
| Connection | | Male connector |
| Construction type | | Deutsch connectors |
| Style | | straight |
| Locking | | Snap locking |
| Number of pins | | 3 |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 8 A Per contact |

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## Technical Data

| | | |
|---|---|---|
| **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** | | |
| 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, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force | | max. 50 N / 300 mm |
| Sheath color | | black (similar to RAL 7021) |
| Number of cores | | 3 |
| Core cross-section | | 0.5 $mm^2$ |
| 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 | 1.5 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 $m/s^2$ |
| **Material** | | |
| 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 |

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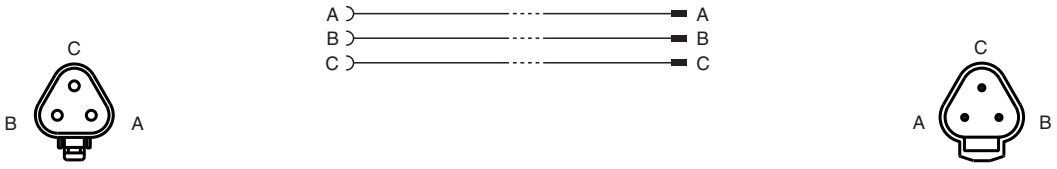
## Connection Assignment

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