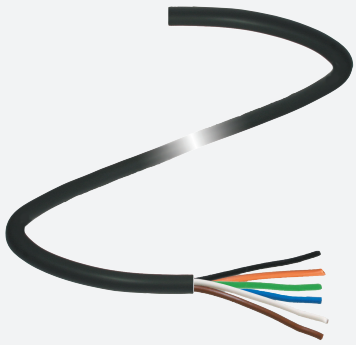


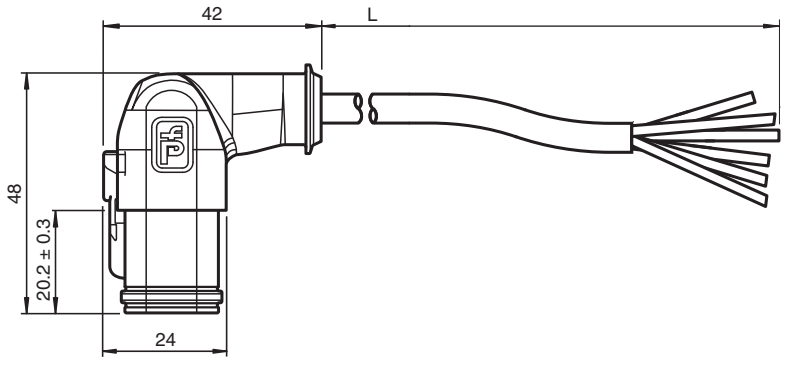
# Female connector

## DT6S-W-BK6M-PUR/1,5

- 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

Female cordset single-ended Deutsch socket angled, 6-pin, PUR cable black

## Dimensions




## Technical Data

| | | |
|---|---|---|
| **General specifications** | | |
| Connector 1 | | |
| Connection | | socket |
| Construction type | | Deutsch connectors |
| Style | | right angle |
| Locking | | Snap locking |
| Number of pins | | 6 |
| 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 |
| Oil resistance | | IEC 60881:404 |
| **Ambient conditions** | | |
| Ambient temperature | | |

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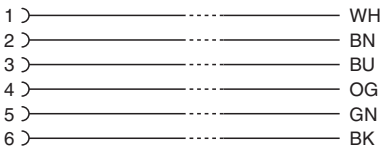
## Technical Data

| | | |
|---|---|---|
| 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 |
| **Mechanical specifications** | | |
| Plug connector | | |
| Loosening protection | | available |
| Degree of protection | | IP68 |
| Cable | | according to IEC/EN 60228 (DIN VDE 0295) class 6 |
| Sheath diameter | | 8.8 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 | | 6 |
| Core cross-section | | 1.5 mm² |
| 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 | | 84 x 0.15 mm Ø |
| Length | L | 6 m |
| Cable code | | Li 9Y 11Y 6 x 1,5 |
| **Material** | | |
| LABS 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

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