

# SAC-2P- 1,5-PUR/DTFS-1L - Sensor/actuator cable



1410728

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Sensor/actuator cable, 2-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight DEUTSCH DT06-2S Clip locking, coding: A, with 1 LED, Wiring: unwired, cable length: 1.5 m

## Your advantages

- Easy and safe: 100 % electrically tested plug-in components

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1410728             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF08                |
| Product key                          | BF1DWA              |
| Catalog page                         | Page 245 (C-2-2019) |
| GTIN                                 | 4046356924276       |
| Weight per piece (including packing) | 66.2 g              |
| Weight per piece (excluding packing) | 60.6 g              |
| Customs tariff number                | 85444290            |
| Country of origin                    | CZ                  |

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## Technical data

### Product properties

|                      |                       |
|----------------------|-----------------------|
| Product type         | Sensor/actuator cable |
| Application          | Mobile hydraulics     |
| Number of positions  | 2                     |
| No. of cable outlets | 1                     |
| Shielded             | no                    |
| Coding               | A                     |

### Material specifications

|                                        |               |
|----------------------------------------|---------------|
| Flammability rating according to UL 94 | V2            |
| Seal material                          | Silicon       |
| Material of grip body                  | TPU           |
| Contact material                       | Cu alloy      |
| Contact surface material               | nickel-plated |
| Contact carrier material               | PA 6.6        |
| Material for screw connection          | not available |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 24 V DC                    |
| Nominal current $I_N$ | 4 A                        |

### Signaling

|                        |       |
|------------------------|-------|
| Status display         | 1 LED |
| Status display present | Yes   |

### Connector

#### Connection 1

|      |                |
|------|----------------|
| Type | free cable end |
|------|----------------|

#### Connection 2

|                     |                                              |
|---------------------|----------------------------------------------|
| Type                | Socket straight DEUTSCH DT06-2S Clip locking |
| Number of positions | 2                                            |
| Locking type        | Clip locking                                 |
| Coding type         | A                                            |

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 1.5 m |
|--------------|-------|

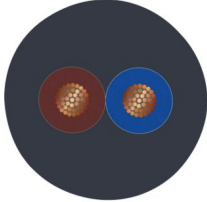
PUR halogen-free black [PUR]

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|                                               |                                                                                                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Dimensional drawing                           |                            |
| Cable weight                                  | 33 kg/km                                                                                                     |
| UL AWM Style                                  | 20549 / 10493 (80°C/300 V)                                                                                   |
| Number of positions                           | 2                                                                                                            |
| Shielded                                      | no                                                                                                           |
| Cable type                                    | PUR halogen-free black [PUR]                                                                                 |
| Conductor structure signal line               | 42x 0.15 mm                                                                                                  |
| AWG signal line                               | 18                                                                                                           |
| Conductor cross section                       | 2x 0.75 mm <sup>2</sup> (Signal line)                                                                        |
| Wire diameter incl. insulation                | 1.69 mm ±0.05 mm (Signal line)                                                                               |
| External cable diameter                       | 4.80 mm ±0.15 mm                                                                                             |
| Outer sheath, material                        | PUR                                                                                                          |
| External sheath, color                        | black-gray RAL 7021                                                                                          |
| Conductor material                            | Bare Cu litz wires                                                                                           |
| Material wire insulation                      | PP                                                                                                           |
| Single wire, color                            | brown, blue                                                                                                  |
| Thickness, insulation                         | ≥ 0.21 mm                                                                                                    |
| Thickness, outer sheath                       | ≥ 0.38 mm                                                                                                    |
| Overall twist                                 | 2 wires, twisted                                                                                             |
| Max. conductor resistance                     | ≤ 26 Ω/km (at 20 °C)                                                                                         |
| Insulation resistance                         | ≥ 1 GΩ*km (at 20 °C)                                                                                         |
| Nominal voltage, cable                        | ≤ 300 V AC                                                                                                   |
| Test voltage                                  | ≥ 3000 V AC (Spark test)                                                                                     |
| Minimum bending radius, fixed installation    | 5 x D                                                                                                        |
| Minimum bending radius, flexible installation | 10 x D                                                                                                       |
| Smallest bending radius, fixed installation   | 24 mm                                                                                                        |
| Smallest bending radius, movable installation | 48 mm                                                                                                        |
| Max. bending cycles                           | 4000000                                                                                                      |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815<br>in accordance with DIN EN 50267-2-1                              |
| Flame resistance                              | according to UL 758/1581 (horizontal)<br>in accordance with UL 758/1581 FT2<br>according to DIN EN 60332-2-2 |
| Resistance to oil                             | According to DIN EN 60811-2-1, 168 h at 100°C<br>According to UL 758, 168 h at 60°C                          |
| Other resistance                              | hydrolysis and microbe resistant<br>partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)             |

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|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Special properties              | Low adhesion                                    |
|                                 | abrasion-resistant                              |
|                                 | flexible                                        |
|                                 | Flexible cable conduit capable                  |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)    |
|                                 | -25 °C ... 80 °C (Cable, flexible installation) |

## Environmental and real-life conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient conditions              |                                  |
| Degree of protection            | IP67                             |
|                                 | IP69K                            |
| Ambient temperature (operation) | -20 °C ... 85 °C (Plug / socket) |

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