

# SAC-4P-0,25-OE-OE-PUR-100,0 US - Cable reel



1422070

<https://www.phoenixcontact.com/us/products/1422070>

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By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1422070                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF16                           |
| Product key                          | BF1IIA                         |
| GTIN                                 | 4055626325293                  |
| Weight per piece (including packing) | 22.22 g                        |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444995                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                    |
|---------------------|--------------------|
| Product type        | Cable by the meter |
| Application         | Connector          |
| Number of positions | 4                  |

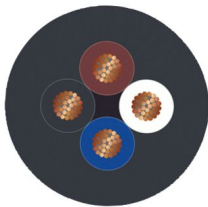
### Electrical properties

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
|-----------------------|-------|

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 100 m |
|--------------|-------|

### PUR halogen-free black [PUR]

|                                 |   |
|---------------------------------|---|
| Dimensional drawing             |  |
| Cable weight                    | 23 kg/km  |
| UL AWM Style                    | 20549 / 10493 (80°C/300 V)  |
| Number of positions             | 4   |
| Shielded                        | no  |
| Cable type                      | PUR halogen-free black [PUR]  |
| Conductor structure signal line | 32x 0.10 mm   |
| AWG signal line                 | 24  |
| Conductor cross section         | 4x 0.25 mm <sup>2</sup> (Signal line)   |
| Wire diameter incl. insulation  | 1.17 mm ±0.02 mm (Signal line)  |
| External cable diameter         | 3.95 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, white, blue, black   |
| Thickness, insulation           | ≥ 0.21 mm (Core insulation)<br>approx. 0.50 mm (Outer cable sheath)                 |
| Overall twist                   | 4 wires, twisted  |
| Max. conductor resistance       | max. 78 Ω/km (at 20 °C)   |
| Insulation resistance           | ≥ 100 GΩ*km (at 20 °C)  |
| Nominal voltage, cable          | ≤ 300 V   |
| Test voltage                    | ≥ 3000 V  |

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|   |  |
|---|--|
| Smallest bending radius, fixed installation   | 20 mm  |
| Smallest bending radius, movable installation | 40 mm  |
| Max. bending cycles                           | 10000000   |
| Bending radius                                | 44 mm  |
| Traversing path                               | 10 m   |
| Traversing rate                               | 3 m/s  |
| Acceleration                                  | 5 m/s <sup>2</sup>   |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815   |
| Flame resistance                              | in accordance with UL 758/1581 FT2<br>DIN EN 60332-2-2 (20 s)  |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1  |
| Other resistance                              | Highly resistant to acids, alkaline solutions and solvents<br>hydrolysis and microbe resistant<br>partly UV-resistant (in accordance with DIN EN ISO 4892-2-A) |
| Special properties                            | Flexible cable conduit capable<br>Silicone-free<br>Free of substances which would hinder coating with paint or varnish   |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)<br>-25 °C ... 80 °C (Cable, flexible installation)  |

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## Approvals

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**UL Recognized**

Approval ID: FILE E 344675

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27061801 |
| ECLASS-12.0 | 27061801 |
| ECLASS-13.0 | 27061801 |

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## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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## Accessories

### WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/products/1212623>



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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