

# SAC-4P-0,25-OE-OE-800-300,0 US - Cable reel



1422102

<https://www.phoenixcontact.com/us/products/1422102>

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By the meter, Cable reel, PUR halogen-free, gray RAL 7001, 4-wire, color single wire: brown, white, blue, black, cable length: 300 m, highly flexible, resistant to welding sparks

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1422102                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF16                           |
| Product key                          | AF1IIA                         |
| GTIN                                 | 4055626325545                  |
| 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                  |

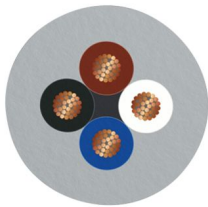
### Electrical properties

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

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 300 m |
|--------------|-------|

Gray, highly flexible PUR [800]

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |               |
| Note                            | Due to the extremely robust outer sheath, this cable should only be stripped in 5 cm increments. |
| Cable weight                    | 27.1 kg/km   |
| UL AWM Style                    | 20549  |
| Number of positions             | 4  |
| Shielded                        | no   |
| Cable type                      | Gray, highly flexible PUR [800]  |
| 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  | 1.15 mm ±0.05 mm (Signal line)   |
| External cable diameter         | 4.50 mm ±0.2 mm  |
| Outer sheath, material          | PUR  |
| External sheath, color          | gray RAL 7001  |
| Conductor material              | Bare Cu litz wires   |
| Material wire insulation        | PP   |
| Single wire, color              | brown, white, blue, black  |
| Overall twist                   | 4 wires, twisted   |
| Max. conductor resistance       | approx. 76 Ω/km  |
| Insulation resistance           | ≥ 20 MΩ*km   |
| Nominal voltage, cable          | 300 V  |
| Test voltage                    | 1200 V   |

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|   |  |
|---|--|
| Minimum bending radius, fixed installation    | 4 x D  |
| Minimum bending radius, flexible installation | 7.5 x D  |
| Smallest bending radius, fixed installation   | 18 mm  |
| Smallest bending radius, movable installation | 34 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 10000000, Bending radius: 7,5 x D, Traversing path: 5 m, Traversing rate: 3.3 m/s, Acceleration: 5 m/s <sup>2</sup> |
|   | Max. bending cycles: 15000000, Bending radius: 50 mm, Traversing path: 0.9 m, Traversing rate: 5 m/s, Acceleration: 30 m/s <sup>2</sup>  |
| Dynamic load capacity (torsion)               | Torsion: ±360 °/m, Torsion cycles: 1000000, Torsional frequency: 35 cycles/min.  |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815   |
| Flame resistance                              | in accordance with UL 758/1581 FT2   |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1  |
| Other resistance                              | Highly resistant to acids, alkaline solutions and solvents   |
|   | Silicone-free  |
| Special properties                            | Cable jacket is welding spark-resistant, recyclable, matt, low-adhesion, abrasion-resistant, flame-retardant, and self-extinguishing     |
|   | Free from silicone and cadmium   |
|   | Free of substances which would hinder coating with paint or varnish  |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)   |
|   | -25 °C ... 80 °C (Cable, flexible installation)  |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-15.0 | 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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