

# SAC-4P-0,25-OE-OE-240-300,0 SH - Cable reel



1422059

<https://www.phoenixcontact.com/us/products/1422059>

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By the meter, Cable reel, shielded, PUR halogen-free, yellow, 4-wire, color single wire: brown, white, blue, black, cable length: 300 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1422059                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF16                           |
| Product key                          | AF1IIB                         |
| GTIN                                 | 4055626338163                  |
| 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                  |

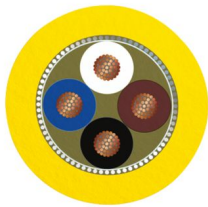
### Electrical properties

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

### Cable/line

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

### PUR halogen-free yellow [240]

|                                 |   |
|---------------------------------|---|
| Dimensional drawing             |  |
| Cable weight                    | 34 kg/km  |
| UL AWM Style                    | 20549   |
| Number of positions             | 4   |
| Shielded                        | yes   |
| Cable type                      | PUR halogen-free yellow [240]   |
| 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  |
| External cable diameter         | 5.00 mm ±0.15 mm  |
| Outer sheath, material          | PUR   |
| External sheath, color          | yellow  |
| Conductor material              | Bare Cu litz wires  |
| Material wire insulation        | PP  |
| Single wire, color              | brown, white, blue, black   |
| Thickness, insulation           | ≥ 0.21 mm   |
| Thickness, outer sheath         | approx. 0.70 mm   |
| Overall twist                   | 4 wires, twisted  |
| Length of twist, overall twist  | 45 mm   |
| Optical shield covering         | 85 %  |
| Max. conductor resistance       | 78 Ω/km (at 20 °C)  |
| Insulation resistance           | ≥ 1 GΩ*km (at 20 °C)  |

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|   |  |
|---|--|
| Nominal voltage, cable                        | ≤ 300 V AC   |
| Test voltage                                  | ≥ 3000 V AC (Spark test)   |
| Test voltage Core/Shield                      | ≥ 2000.00 V AC (for 60 s)  |
| Minimum bending radius, fixed installation    | 5 x D  |
| Minimum bending radius, flexible installation | 10 x D   |
| Smallest bending radius, fixed installation   | 25 mm  |
| Smallest bending radius, movable installation | 50 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 2000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup> |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815   |
|   | in accordance with EN 50267-2-1  |
| Flame resistance                              | in accordance with UL 758/1581 FT2   |
| Resistance to oil                             | According to DIN EN 60811-2-1, 168 h at 100°C  |
|   | according to UL 758, 168 h at 60 °C  |
| Other resistance                              | hydrolysis and microbe resistant   |
|   | Resistant to salt water  |
|   | abrasion-resistant   |
|   | Low adhesion   |
| 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 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003249 |
|----------|----------|

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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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