

# SAC-3P-100,0-PUR/0,34 - Cable reel



1501650

<https://www.phoenixcontact.com/us/products/1501650>

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By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 3-wire, color single wire: brown, blue, black, cable length: 100 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1501650       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF11          |
| Product key                          | AF1LBA        |
| GTIN                                 | 4017918814045 |
| Weight per piece (including packing) | 2,102 g       |
| Weight per piece (excluding packing) | 2,080 g       |
| Customs tariff number                | 85444995      |
| Country of origin                    | DE            |

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## Technical data

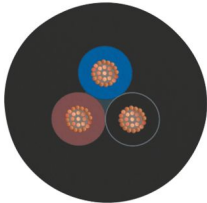
### Product properties

|                     |                    |
|---------------------|--------------------|
| Product type        | Cable by the meter |
| Application         | Connector          |
| Number of positions | 3                  |
| Shielded            | no                 |

### Cable/line

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

#### PUR halogen-free black [PUR]

|                                             |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------|
| Dimensional drawing                         |  |
| Cable weight                                | 23 kg/km                                                                            |
| UL AWM Style                                | 20549                                                                               |
| Number of positions                         | 3                                                                                   |
| Shielded                                    | no                                                                                  |
| Cable type                                  | PUR halogen-free black [PUR]                                                        |
| Conductor structure signal line             | 42x 0.10 mm                                                                         |
| AWG signal line                             | 22                                                                                  |
| Conductor cross-section                     | 3x 0.34 mm <sup>2</sup> (Signal line)                                               |
| Wire diameter incl. insulation              | 1.27 mm ±0.02 mm (Signal line)                                                      |
| External cable diameter                     | 3.85 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, black                                                                  |
| Thickness, insulation                       | ≥ 0.21 mm (Core insulation)<br>approx. 0.50 mm (Outer cable sheath)                 |
| Overall twist                               | 3 wires, twisted                                                                    |
| Max. conductor resistance                   | max. 58 Ω/km (at 20 °C)                                                             |
| Insulation resistance                       | ≥ 100 GΩ*km (at 20 °C)                                                              |
| Nominal voltage, cable                      | ≤ 300 V                                                                             |
| Test voltage                                | ≥ 3000 V                                                                            |
| Smallest bending radius, fixed installation | 19 mm                                                                               |

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|                                               |                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smallest bending radius, movable installation | 38 mm                                                                                                                                                          |
| Dynamic load capacity (bending)               | Max. bending cycles: 10000000, Bending radius: 38 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup> |
| Dynamic load capacity (torsion)               | Torsion: ±180 °/m, Torsion cycles: ≥5000000, Torsional frequency: 35 cycles/min.                                                                               |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815                                                                                                                       |
| Flame resistance                              | in accordance with UL 758/1581 FT2                                                                                                                             |
|                                               | 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                                                                                                     |
|                                               | hydrolysis and microbe resistant                                                                                                                               |
|                                               | partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)                                                                                                   |
| Special properties                            | Flexible cable conduit capable                                                                                                                                 |
|                                               | Silicone-free                                                                                                                                                  |
|                                               | 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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## Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1501650>



**EAC-RoHS**

Approval ID: RU D-DE.HB35.B.00371

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27061801 |
| ECLASS-15.0 | 27061801 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003249 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 41.76 kg CO2e |
|---------|---------------|

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