


Sensor/Actuator cable - SAC-4P-100,0-PUR/SH-0,34 - 1501715

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

Cable ring, PUR halogen-free black, 4-pos., shielded, conductor colors: Brown/white/blue/black, cable length: 100 m



Key commercial data

| | |
|--------------------------------------|--|
| Packing unit | 1 pc |
| GTIN |  4 017918 813420 |
| Weight per Piece (excluding packing) | 4503.8 g |
| Custom tariff number | 85444995 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 100 m |
|-----------------|-------|

General

| | |
|---------------------|---|
| Number of positions | 4 |
|---------------------|---|

Cable

| | |
|------------------------------------|---------------------------------------|
| Cable type | PUR halogen-free black shielded |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | Li9Y-V1-C-V1-11Y |
| UL AWM style | 20549 / 10493 (80°C/300 V) |
| Conductor cross section | 4x 0.34 mm ² (signal line) |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Core diameter including insulation | 1.27 mm ±0.02 mm (signal line) |
| Thickness, insulation | ≥ 0.21 mm (Core insulation) |
| | approx. 1 mm (Outer cable sheath) |
| Wire colors | brown, white, blue, black |
| Overall twist | 4 wires, twisted |

Sensor/Actuator cable - SAC-4P-100,0-PUR/SH-0,34 - 1501715

Technical data

Cable

| | |
|---|---|
| Shielding | Tinned copper braided shield |
| Optical shield covering | 85 % |
| External sheath, color | Black-gray RAL 7021 |
| External cable diameter D | 5.9 mm ±0.2 mm |
| Smallest bending radius, fixed installation | 29.5 mm |
| Smallest bending radius, movable installation | 59 mm |
| Number of bending cycles | 2000000 |
| Bending radius | 59 mm |
| Traversing path | 10 m |
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s ² |
| Cable weight | 46 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 GΩ*km (at 20 °C) |
| Conductor resistance | max. 58000000 Ω/km (at 20 °C) |
| Working capacitance | ≤ 80 pF (Conductor-Conductor) ≤ 135 pF (Wire/shield) |
| Wave impedance | ≥ 62 Ω (f = 10 MHz) |
| Inductance | approx. 0.75 mH (f = 1 kHz) |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage, cable | ≥ 3000 V |
| Special properties | Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish Low adhesion surface |
| Flame resistance | In accordance with UL FT-2 |
| Halogen-free | in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 |
| 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 Resistant to salt water partly UV-resistant in accordance with DIN EN ISO 4892-2-A abrasion-resistant |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (cable, flexible installation) |

Sensor/Actuator cable - SAC-4P-100,0-PUR/SH-0,34 - 1501715

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

| |
|--|
| GOST  |
|--|

Sensor/Actuator cable - SAC-4P-100,0-PUR/SH-0,34 - 1501715

Accessories

Accessories

Stripping tool

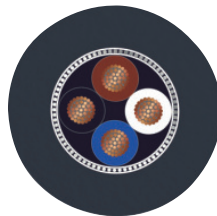
Stripping tool - WIREFOX SAC - 1212623



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

Drawings

Cable cross section



PUR halogen-free black shielded [PUR]