

## Sensor/Actuator cable - SAC-3P-100,0-PUR/SH-0,34 - 1501702

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Cable ring, PUR halogen-free black, 3-pos., shielded, conductor colors: Brown/blue/black, cable length: 100 m

### Key commercial data

|                                      |            |
|--------------------------------------|------------|
| Packing unit                         | 1 1        |
| Weight per Piece (excluding packing) | 4827.0 GRM |
| Custom tariff number                 | 85444995   |
| Country of origin                    | Germany    |

### Technical data

#### Dimensions

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

#### General

|                     |   |
|---------------------|---|
| Number of positions | 3 |
|---------------------|---|

#### Cable

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Cable type                         | PUR halogen-free black shielded       |
| Cable type (abbreviation)          | PUR                                   |
| Cable abbreviation                 | Li9Y-VI-C-VI-11Y                      |
| UL AWM style                       | 20549                                 |
| Conductor cross section            | 3x 0.34 mm <sup>2</sup> (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. 1.1 mm (Outer cable sheath)   |
| Wire colors                        | brown, blue, black                    |
| Overall twist                      | 3 wires, twisted                      |
| Shielding                          | Braided copper wires                  |

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### Technical data

#### Cable

|                                               |                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------|
| Optical shield covering                       | 85 %                                                                |
| External sheath, color                        | Black-gray RAL 7021                                                 |
| External cable diameter D                     | 5.9 mm ±0.15 mm                                                     |
| Smallest bending radius, fixed installation   | 29.5 mm                                                             |
| Smallest bending radius, movable installation | 59 mm                                                               |
| Number of bending cycles                      | 4000000                                                             |
| Bending radius                                | 59 mm                                                               |
| Traversing path                               | 10 m                                                                |
| Traversing rate                               | 3 m/s                                                               |
| Acceleration                                  | 10 m/s <sup>2</sup>                                                 |
| Cable weight                                  | 44 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. 58 Ω/km (at 20 °C)                                             |
| 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 |
| Flame resistance                              | in accordance with DIN UL-Style 20549                               |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815                            |
| 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          |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                               | -25 °C ... 80 °C (cable, flexible installation)                     |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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

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Approvals

GOST

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Ex Approvals

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Approvals submitted

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#### Approval details

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| GOST  |
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### Accessories

#### Accessories

## Sensor/Actuator cable - SAC-3P-100,0-PUR/SH-0,34 - 1501702

### Accessories

#### Stripping tool

Stripping tool - WIREFOX SAC - 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