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# SAC-8P-100,0-PVC/SH-0,25 - Sensor/actuator cable

1550708

https://www.phoenixcontact.com/gb/products/1550708

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By the meter, Sensor/actuator cable, shielded, PVC, black RAL 9005, 8-wire, color single wire: white, brown, green, yellow, gray, pink, blue, red, cable length: 100 m

## Commercial data

| | |
|---|---|
| Item number | 1550708 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AF1LBA |
| Product key | AF1LBA |
| Catalog page | Page 303 (C-2-2019) |
| GTIN | 4046356170512 |
| Weight per piece (including packing) | 8,950 g |
| Weight per piece (excluding packing) | 6,608 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 | 8 |
| Shielded | yes |

### Cable/line

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

PVC black [PVC]

| | |
|---|---|
| Dimensional drawing |  |
| Note | The cable is not suitable for use with drag chains. |
| Cable weight | 85 kg/km |
| UL AWM Style | 2517 |
| Number of positions | 8 |
| Shielded | yes |
| Cable type | PVC black [PVC] |
| Conductor structure signal line | 32x 0.10 mm |
| AWG signal line | 24 |
| Conductor cross section | 8x 0.25 mm² (Signal line) |
| Wire diameter incl. insulation | 1.5 mm ±0.05 mm (Signal line) |
| External cable diameter | 7.70 mm ±0.2 mm |
| Outer sheath, material | PVC |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material, filler | PVC |
| Material wire insulation | PVC |
| Single wire, color | white, brown, green, yellow, gray, pink, blue, red |
| Thickness, insulation | ≥ 0.38 mm (Conductor insulation, signal line) |
| | ≥ 0.76 mm (Outer cable sheath) |
| Overall twist | 8 wires around filler to the core, twisted in with additional Cu litz in the wire outer godet |
| Optical shield covering | 85 % |
| Max. conductor resistance | ≤ 78 Ω/km |
| Insulation resistance | ≥ 10 GΩ*km |

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| | |
|---|---|
| Nominal voltage, cable | 300 V |
| Test voltage | 3000 V |
| Smallest bending radius, fixed installation | 38.5 mm |
| Smallest bending radius, movable installation | 77 mm |
| Flame resistance | According to UL 758/1581 (Cable Flame) |
| | According to DIN EN 60332-1-2 (60 s) |
| Resistance to oil | According to DIN EN 60811-2-1, 168 h at 80°C |
| Ambient temperature (operation) | -25 °C ... 105 °C (cable, fixed installation) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

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## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1550708

**UL Listed**
Approval ID: FILE E 221474

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| | 30 V | 2 A | - | - |

**cUL Listed**
Approval ID: FILE E 221474

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| | 30 V | 2 A | - | - |

**EAC-RoHS**
Approval ID: RU D-DE.HB35.B.00371

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## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 9.0 | 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% |

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