

SAC-12P-100,0-PUR/0,14 - Sensor/actuator cable



1418855

<https://www.phoenixcontact.com/us/products/1418855>

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By the meter, Sensor/actuator cable, PUR halogen-free, black RAL 9005, 12-wire, color single wire: white, brown, green, yellow, gray, pink, blue, red, black, violet, gray/pink, red/blue

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1418855 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF11 |
| Product key | AF1LBA |
| GTIN | 4055626157351 |
| Weight per piece (including packing) | 5,893 g |
| Weight per piece (excluding packing) | 5,893 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|--------------------|
| Product type | Cable by the meter |
| Application | Standard |
| Number of positions | 12 |

Cable/line

PUR halogen-free black [PUR]

| | |
|---|---|
| Dimensional drawing |  |
| Cable weight | 17 kg/km |
| Number of positions | 12 |
| Shielded | no |
| Cable type | PUR halogen-free black [PUR] |
| Conductor structure signal line | 18x 0.10 mm |
| AWG signal line | 26 |
| Conductor cross-section | 12x 0.14 mm ² (Signal line) |
| Wire diameter incl. insulation | 1 mm ±0.05 mm (Signal line) |
| External cable diameter | 7.20 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Tin-plated Cu litz wires |
| Material wire insulation | PP |
| Single wire, color | white, brown, green, yellow, gray, pink, blue, red, black, violet, gray/pink, red/blue |
| Overall twist | 12 wires twisted in layers |
| Max. conductor resistance | 142 Ω/km |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage | ≥ 1500 V |
| Minimum bending radius, fixed installation | 5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 36 mm |
| Smallest bending radius, movable installation | 72 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 4000000, Bending radius: 54 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ² |

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| | |
|---------------------------------|--|
| Halogen-free | in accordance with DIN EN 50267-2-1 |
| Flame resistance | in acc. to UL VW1 |
| | DIN EN 60332-1-2 |
| Resistance to oil | EN 60811-2-1 |
| Other resistance | EN 50525-2-21:2012-01 |
| | partly UV-resistant (in accordance with DIN EN ISO 4892-2-A) |
| Special properties | Low adhesion surface |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

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Approvals

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|  UL Listed Approval ID: E221474 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 1 A | - | - |

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Classifications

ECLASS

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

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