

SAC-8P-0,25-OE-OE-PUR-100,0 US - Cable reel



1422082

<https://www.phoenixcontact.com/us/products/1422082>

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By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 8-wire, color single wire: white, brown, green, yellow, gray, pink, blue, red, cable length: 100 m

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1422082 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF16 |
| Product key | AF1IIA |
| GTIN | 4055626325354 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 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 |


Electrical properties

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
|-----------------------|-------|

Cable/line

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

PUR halogen-free black [PUR]

| | |
|---------------------------------|---|
| Dimensional drawing |  |
| Cable weight | 46 kg/km |
| UL AWM Style | 20549 / 10493 (80°C/300 V) |
| Number of positions | 8 |
| Shielded | no |
| Cable type | PUR halogen-free black [PUR] |
| Conductor structure signal line | 32x 0.10 mm |
| AWG signal line | 24 |
| Conductor cross-section | 8x 0.25 mm ² (Signal line) |
| Wire diameter incl. insulation | 1.17 mm ±0.02 mm |
| External cable diameter | 5.90 mm ±0.15 mm |
| Outer sheath, material | PUR |
| External sheath, color | black-gray RAL 7021 |
| Conductor material | Bare Cu litz wires |
| Material, filler | PE |
| Material wire insulation | PP |
| Single wire, color | white, brown, green, yellow, gray, pink, blue, red |
| Thickness, insulation | ≥ 0.21 mm |
| Thickness, outer sheath | approx. 0.80 mm |
| Overall twist | 8 wires around filler to the core |
| Max. conductor resistance | ≤ 78 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 1 GΩ*km (at 20 °C) |
| Wave impedance | 100 Ω +15 % (with 1 MHz) |

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| | |
|---|--|
| Cable capacity | ≤ 70 pF/m |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| Minimum bending radius, fixed installation | 8 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 48 mm |
| Smallest bending radius, movable installation | 59 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 10000000, Bending radius: 59 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ² |
| 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 According to 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) Low adhesion abrasion-resistant |
| Special properties | Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish flexible |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (Cable, flexible installation) |

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Classifications

ECLASS

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

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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