# SACB- 8X0,34/ 3X0,75-50,0 PUR - Master cable ring

1503344

https://www.phoenixcontact.com/us/products/1503344

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Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.34 $mm^2$ and 3 x 0.75 $mm^2$

## Commercial data

| | |
|---|---|
| Item number | 1503344 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF45 |
| Product key | AF3ZBX |
| GTIN | 4017918896942 |
| Weight per piece (including packing) | 5,612.5 g |
| Weight per piece (excluding packing) | 5,400 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Cable by the meter |
| Application | Distributor boxes |
| Number of positions | 11 |
| LED | no |

### Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 300 V AC |
| | 300 V DC |

### Cable/line

| | |
|---|---|
| Cable length | 50 m |

PUR/PVC black [PUR]

| | |
|---|---|
| Dimensional drawing |  |
| Cable weight | 107.4 kg/km |
| UL AWM Style | 20549 (80°C/300 V) |
| Number of positions | 11 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 19x 0.15 mm |
| AWG signal line | 22 |
| Conductor structure, voltage supply | 42x 0.15 mm |
| AWG power supply | 18 |
| Conductor cross-section | 8x 0.34 mm² (Signal line) |
| | 3x 0.75 mm² (power line) |
| Wire diameter incl. insulation | 1.3 mm ±0.1 mm (Signal line) |
| | 1.8 mm ±0.1 mm (power line) |
| External cable diameter | 8.50 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet |

| | |
|---|---|
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.38 mm |
| Overall twist | Wires twisted in layers |
| Max. conductor resistance | ≤ 53 Ω/km (Signal line) |
| | ≤ 26 Ω/km (power line) |
| Insulation resistance | ≥ 5 MΩ*km |
| Nominal voltage, cable | 300 V AC |
| Test voltage Core/Core | 2000 V (50 Hz, 5 min.) |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 64 mm |
| Smallest bending radius, movable installation | 85 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 1500000, Bending radius: 10 x D, Traversing path: 2 m, Traversing rate: 2 m/s |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | according to VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Special properties | Silicone-free |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27060106 |
| ECLASS-15.0 | 27060106 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003250 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 26121600 |

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 16.196 kg CO2e |


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