

# SACB-12X0,5/ 3X1,0-50,0 PUR - Master cable ring



1503360

<https://www.phoenixcontact.com/us/products/1503360>

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Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 15-pos., 12 x 0.50 mm<sup>2</sup> and 3 x 1.00 mm<sup>2</sup>, length: 50 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1503360                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF45                           |
| Product key                          | AF3ZBX                         |
| GTIN                                 | 4017918896966                  |
| Weight per piece (including packing) | 7,895 g                        |
| Weight per piece (excluding packing) | 9.068 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                    |
|---------------------|--------------------|
| Product type        | Cable by the meter |
| Application         | Distributor boxes  |
| Number of positions | 15                 |
| LED                 | no                 |

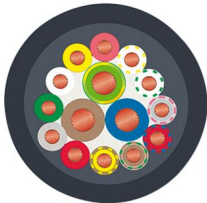
### Electrical properties

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

### Cable/line

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

#### PUR/PVC black [PUR]

|                                     |                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Dimensional drawing                 |                                            |
| Cable weight                        | 150.9 kg/km                                                                                                                    |
| UL AWM Style                        | 20549                                                                                                                          |
| Number of positions                 | 15                                                                                                                             |
| Shielded                            | no                                                                                                                             |
| Cable type                          | PUR/PVC black [PUR]                                                                                                            |
| Conductor structure signal line     | 28x 0.15 mm                                                                                                                    |
| AWG signal line                     | 20                                                                                                                             |
| Conductor structure, voltage supply | 56x 0.15 mm                                                                                                                    |
| AWG power supply                    | 17                                                                                                                             |
| Conductor cross section             | 12x 0.5 mm <sup>2</sup> (Signal line)<br>3x 1 mm <sup>2</sup> (power line)                                                     |
| Wire diameter incl. insulation      | 1.5 mm ±0.1 mm (Signal line)<br>2.1 mm ±0.1 mm (power line)                                                                    |
| External cable diameter             | 9.40 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, gray/pink, red/blue, white/green, brown/green, white/yellow, |

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|                                               |                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
|                                               | yellow/brown                                                                                      |
| Thickness, insulation                         | ≥ 0.15 mm (Inner sheath)                                                                          |
|                                               | ≥ 0.76 mm (Outer cable sheath)                                                                    |
| Overall twist                                 | Wires twisted in layers                                                                           |
| Nominal voltage, cable                        | 300 V                                                                                             |
| Test voltage                                  | 2000 V                                                                                            |
| Minimum bending radius, fixed installation    | 7.5 x D                                                                                           |
| Minimum bending radius, flexible installation | 10 x D                                                                                            |
| Smallest bending radius, fixed installation   | 71 mm                                                                                             |
| Smallest bending radius, movable installation | 94 mm                                                                                             |
| Dynamic load capacity (bending)               | Max. bending cycles: 1500000, Bending radius: 94 mm, 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)                                                    |
|                                               | 80 °C (in acc. with UL)                                                                           |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003250 |
|----------|----------|

### 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% |
|-------------------------------------|----------------------------|

### EF3.0 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 31.902 kg CO2e |
|---------|----------------|

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)