

# SACB-16X0,5/ 3X1,0-100,0 VPUR - Master cable



1423423

<https://www.phoenixcontact.com/us/products/1423423>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material: PUR/PP, 19-pos., 16 x 0.50 mm<sup>2</sup> and 3 x 1.00 mm<sup>2</sup>, length: 100 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1423423                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF45                           |
| Product key                          | AF3ZBX                         |
| GTIN                                 | 4055626341958                  |
| Weight per piece (including packing) | 23,000 g                       |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444995                       |
| Country of origin                    | DE                             |

# SACB-16X0,5/ 3X1,0-100,0 VPUR - Master cable



1423423

<https://www.phoenixcontact.com/us/products/1423423>

## Technical data

### Product properties

|             |                   |
|-------------|-------------------|
| Application | Distributor boxes |
|-------------|-------------------|


### Electrical properties

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

### Cable/line

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

### PUR halogen-free black [PUR]

|                                               |                                                                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensional drawing                           |                                                                                                 |
| Number of positions                           | 19                                                                                                                                                                                 |
| Shielded                                      | no                                                                                                                                                                                 |
| Cable type                                    | PUR halogen-free black [PUR]                                                                                                                                                       |
| Conductor structure signal line               | 64x 0.10 mm                                                                                                                                                                        |
| AWG signal line                               | 20                                                                                                                                                                                 |
| Conductor structure, voltage supply           | 128x 0.10 mm                                                                                                                                                                       |
| AWG power supply                              | 17                                                                                                                                                                                 |
| Conductor cross-section                       | 16x 0.5 mm <sup>2</sup> (Signal line)<br>3x 1 mm <sup>2</sup> (power line)                                                                                                         |
| External cable diameter                       | 11.60 mm ±0.3 mm                                                                                                                                                                   |
| Outer sheath, material                        | PUR                                                                                                                                                                                |
| External sheath, color                        | black RAL 9005                                                                                                                                                                     |
| Conductor material                            | Bare Cu litz wires                                                                                                                                                                 |
| Material wire insulation                      | PP                                                                                                                                                                                 |
| Single wire, color                            | brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| Overall twist                                 | Wires twisted in layers                                                                                                                                                            |
| Nominal voltage, cable                        | 300 V                                                                                                                                                                              |
| Test voltage                                  | 2000 V                                                                                                                                                                             |
| Smallest bending radius, fixed installation   | 116 mm                                                                                                                                                                             |
| Smallest bending radius, movable installation | 116 mm                                                                                                                                                                             |
| Dynamic load capacity (bending)               | Max. bending cycles: 1500000, Bending radius: 116 mm, Traversing path: 2 m, Traversing rate: 2 m/s                                                                                 |

# SACB-16X0,5/ 3X1,0-100,0 VPUR - Master cable



1423423

<https://www.phoenixcontact.com/us/products/1423423>

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| 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)             |

# SACB-16X0,5/ 3X1,0-100,0 VPUR - Master cable



1423423

<https://www.phoenixcontact.com/us/products/1423423>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# SACB-16X0,5/ 3X1,0-100,0 VPUR - Master cable



1423423

<https://www.phoenixcontact.com/us/products/1423423>

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

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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