

# SACB- 8X0,5/ 3X1,0-50,0 PUR - Master cable ring



1503357

<https://www.phoenixcontact.com/us/products/1503357>

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Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.50 mm<sup>2</sup> and 3 x 1.00 mm<sup>2</sup>, length: 50 m

## Commercial data

Item number	1503357
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF45
Product key	AF3ZBX
GTIN	4017918896959
Weight per piece (including packing)	6,645 g
Weight per piece (excluding packing)	6,133 g
Customs tariff number	85444995
Country of origin	DE

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## 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
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#### PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	122 kg/km
UL AWM Style	20549
Number of positions	11
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	8x 0.5 mm <sup>2</sup> (Signal line)
	3x 1 mm <sup>2</sup> (power line)
Wire diameter incl. insulation	1.5 mm ±0.1 mm (Signal line)
	2.1 mm ±0.1 mm (power line)
External cable diameter	8.70 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, gray/pink, red/blue, white/green, brown/green

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Inner sheath thickness	≥ 0.15 mm
Thickness, outer sheath	≥ 0.38 mm
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	66 mm
Smallest bending radius, movable installation	87 mm
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 87 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 10.0	EC003250
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)