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SACB-16X0,5/ 3X1,0-50,0 80MC - Master cable ring

1402304

https://www.phoenixcontact.com/in/products/1402304

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Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm^2 and 3 x 1.0 mm^2

Commercial data

Item number	1402304
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF3
Product key	AF3ZBX
Catalog page	Page 305 (C-2-2019)
GTIN	4046356594196
Weight per piece (including packing)	9,200 g
Weight per piece (excluding packing)	9,006 g
Customs tariff number	85444995
Country of origin	PL

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Technical data

Product properties

Product type	Cable by the meter
Application	Distributor boxes
Number of positions	19

Electrical properties

Nominal voltage U_N	300 V AC
	300 V DC

Cable/line

Cable length	50 m

PUR halogen-free, highly flexible [80MC]

Dimensional drawing	
Number of positions	19
Shielded	no
Cable type	PUR halogen-free, highly flexible [80MC]
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	16x 0.5 mm² (Signal line)
	3x 1 mm² (power line)
External cable diameter	10.75 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 to an optimum in two layers
Max. conductor resistance	39 Ω/km (Signal line)
	19.5 Ω/m (power line)
Insulation resistance	≥ 10 MΩ*km (at 20 °C)

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Nominal voltage, cable	300 V
Test voltage	2000 V
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	120 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 120 mm, Traversing path: 5 m, Traversing rate: 3 m/s, Acceleration: 5 m/s²
Dynamic load capacity (torsion)	Torsion: ±120 °/m, Torsion cycles: ≥3000000
Halogen-free	The cable is halogen-free
Flame resistance	DIN EN 50265-2-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	somewhat resistant to welding sparks
Special properties	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	5 °C ... 70 °C (Cable, flexible installation)
	to 80 °C (in acc. with UL)

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Classifications

ECLASS

ECLASS-11.0	27060106
ECLASS-12.0	27060106
ECLASS-13.0	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	102.916 kg CO2e

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Accessories

WIREFOX-D 13 - Stripping tool

1212162

https://www.phoenixcontact.com/in/products/1212162



Stripping tool, for stripping installation lines of Ø 8 - 13 mm , e.g. NYM 3 x 1.5 mm^2 to 5 x 2.5 mm^2, single line stripping 0.2 mm^2 - 4 mm^2 , with longitudinal cut blade and sliding knife

WIREFOX-D 40 - Stripping tool

1212161

https://www.phoenixcontact.com/in/products/1212161



Stripping tool, for stripping cables of 4.5 mm - 40 mm-Ø, insulation thickness of up to 4.5 mm, pivoting blade for round, lengthwise, and spiral cuts

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WIREFOX 4 - Stripping tool

1212156

https://www.phoenixcontact.com/in/products/1212156



Stripping tool, for cables and conductors (especially for rubber and silicone insulations) from 0.1 - 4 mm^2, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm^2 stranded/1.5 mm^2 solid, replaceable stripping blade

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