

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm² and 3 x 1.0 mm²

Key commercial data

Packing unit	1 PCE
GTIN	 4 046356 594196
Custom tariff number	85444995
Country of origin	POLAND

Technical data

General

Rated voltage	300 V
Number of positions	19

Master cable data/connection data

Length of cable	50 m
Cable type	Master cable suitable for flexible cable conduit

Cable

Cable type	PUR halogen-free, highly flexible
Cable type (abbreviation)	80MC
Cable abbreviation	LS9Y11Y-J-EFK
Conductor cross section	16x 0.5 mm ² (signal line)
	3x 1 mm ² (power line)
AWG signal line	20
AWG power supply	17
Conductor structure signal line	28x 0.15 mm
Conductor structure, voltage supply	56x 0.15 mm

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304

Technical data

Cable

Wire colors	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
External sheath, color	Black RAL 9005
External cable diameter	10.75 mm
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	120 mm
Number of bending cycles	5000000
Bending radius	120 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s ²
Torsion force	± 120 °/m (≥ 3 million torsion cycles)
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 10 MΩ*km (at 20 °C)
Conductor resistance	39 Ω/km (signal line)
	19.5 Ω/m (power line)
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Special properties	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	DIN EN 50265-2-1
Halogen-free	The cable is halogen-free
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation)
	5 °C ... 70 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27062010
eCl@ss 6.0	27062010

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304

Classifications

eCl@ss

eCl@ss 7.0	27062010
eCl@ss 8.0	27062010

ETIM

ETIM 3.0	EC000104
ETIM 4.0	EC000104
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST 
--

Accessories

Accessories

Tools

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304

Accessories

Stripping tool - WIREFOX-D 13 - 1212162



Stripping tool, for stripping installation lines of Ø 8 - 13 mm , e.g. NYM 3 x 1.5 mm² to 5 x 2.5 mm², single line stripping 0.2 mm² - 4 mm² , with longitudinal cut blade and sliding knife

Stripping tool - WIREFOX-D 40 - 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

Stripping tool - WIREFOX 4 - 1212156



Stripping tool, for cables and conductors (especially for rubber and silicone insulations) from 0.1 - 4 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade