

Cable - SAC-5P-100,0-923 - 1400493

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Cable ring, DeviceNet™/CANopen®, 4-wire, shielded, PUR halogen-free, grey outer sheath, 2 x 0.34 mm²; 2 x 0.25 mm², cable length: 100 m



Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356497626

Technical data

Dimensions

Length of cable	100 m
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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 80 °C
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General

Number of positions	4
Signal type/category	CANopen®
	DeviceNet™

Cable

Cable type	CAN Bus/DeviceNet drop cable
Cable type (abbreviation)	923
UL AWM style	21198 (80°C/300 V)
Cable structure	2xAWG24/19+2xAWG22/19
Conductor cross section	2x 0.25 mm² (Data cable)
	2x 0.34 mm² (Power supply)
	1x 0.34 mm² (Drain wire)
AWG signal line	24

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Cable

AWG power supply	22
Conductor structure signal line	19x 0.13 mm
Conductor structure, voltage supply	19x 0.15 mm
Core diameter including insulation	1.95 mm $\pm$ 0.05 mm (Data cable)
	1.4 mm $\pm$ 0.05 mm (Power supply)
Wire colors	Red-black, blue-white
Twisted pairs	2 cores to the pair
Type of pair shielding	Plastic-coated aluminum foil, aluminum side outside
Overall twist	2 pairs around a drain wire in the center to the core
Shielding	Tinned copper braided shield
Optical shield covering	80 %
External sheath, color	silver-gray RAL 7001
External cable diameter D	6.7 mm $\pm$ 0.3 mm
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	5000000
Bending radius	70 mm
Traversing path	4.5 m
Traversing rate	3 m/s
Acceleration	3 m/s ²
Outer sheath, material	PUR
Material conductor insulation	Foamed PE (Data cable)
	PE (Power supply)
Conductor material	Tin-plated Cu litz wires
Insulation resistance	$\geq$ 5 G Ω *km (Data cable)
	$\geq$ 5 G Ω *km (Power supply)
Loop resistance	$\leq$ 181.80 Ω /km (Data cable)
	$\leq$ 114.80 Ω /km (Power supply)
Cable capacity	nom. 40 nF/km (Data cable)
Wave impedance	120 Ω $\pm$ 10 % (with 1 MHz)
Attenuation	$\leq$ 22.9 dB/km (with 1 MHz)
	$\leq$ 16.4 dB/km (At 500 kHz)
	$\leq$ 9.5 dB/km (At 125 kHz)
Shield attenuation	$\leq$ 0.95 dB (f = 125 kHz)
	$\leq$ 1.64 dB (f = 500 kHz)
	$\leq$ 2.29 dB (f = 1 MHz)
Nominal voltage, cable	$\leq$ 300 V (Peak value, not for high-power applications)
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000 V (50 Hz, 1 min.)
Flame resistance	UL 1581, Sec. 1060 (FT-1)
	IEC 60332-1

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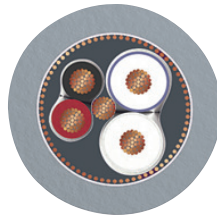
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 70 °C (cable, flexible installation)

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Cable cross section



CAN Bus/DeviceNet [923]

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>