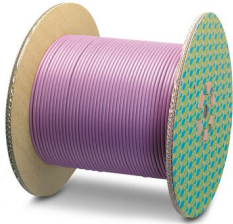


Bus system cable - SAC-4P-920-SH/...

1408543

<https://www.phoenixcontact.com/pc/products/1408543>

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By the meter, Bus system cable, CANopen[®], DeviceNet[™], shielded, PUR halogen-free, red lilac RAL 4001, 4-wire (2xAWG24/19+2xAWG22/19), color single wire: red-black, blue-white, cable length: Free input (110.0 ... 500 m), Supplied on a cable drum in up to two parts (details: see technical data)

Bus system cable - SAC-4P-920-SH/...



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Commercial Data

Item number	1408543
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	BF1LFA
Customs tariff number	85444995
Country of origin	DE

Technical Data

Notes

Order information:	The ordered cable length can be supplied in up to two parts (each > 100 m) on one cable drum. Corresponding deliveries are marked accordingly.
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Product properties

Product type	Data cable by the meter
Number of positions	4

Electrical properties

Transmission medium	Copper
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Interfaces

Signal type/category	DeviceNet™
	CANopen®
	DeviceNet™
	CANopen®

Cable / line

Cable length	Free input (110.0 ... 500 m)
Cable weight	90 kg/km
UL AWM Style	21198 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	CANopen®/DeviceNet™, PUR, violet [920]
Conductor structure signal line	19x 0.13 mm
AWG signal line	24
Conductor cross section	2x 0.25 mm ² (Data cable)
	2x 0.34 mm ² (Power supply)
	1x 0.34 mm ² (Drain wire)
Wire diameter incl. insulation	1.95 mm ±0.05 mm (Data cable)
	1.4 mm ±0.05 mm (Power supply)
External cable diameter	6.7 mm ±0.3 mm
Outer sheath, material	PUR
External sheath, color	red lilac RAL 4001
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PE (Data cable)
	PE (Power supply)
Single wire, color	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

Bus system cable - SAC-4P-920-SH/...



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Optical shield covering	80 %
Insulation resistance	≥ 5 GΩ*km (Data cable)
	≥ 5 GΩ*km (Power supply)
Loop resistance	≤ 181.80 Ω/km (Data cable)
	≤ 114.80 Ω/km (Power supply)
Wave impedance	120 Ω ±10 % (with 1 MHz)
Cable capacity	nom. 40 nF/km (Data cable)
Nominal voltage, cable	≤ 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.)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Max. bending cycles	5000000
Shield attenuation	≤ 22.9 dB/km (with 1 MHz)
	≤ 16.4 dB/km (At 500 kHz)
	≤ 9.5 dB/km (At 125 kHz)
Halogen-free	in accordance with DIN VDE 0472 part 815
	according to IEC 60754-1
Flame resistance	IEC 60332-1-2
	in accordance with ISO 6722-1 5.22 (UN ECE-R 118.01)
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 70 °C (Cable, flexible installation)
	-20 °C ... 60 °C (for installation)
	-20 °C ... 60 °C (cable, drag chain applications)

Cable structure

Signal type/category	DeviceNet™
	CANopen®

Bus system cable - SAC-4P-920-SH/...



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Approvals



EAC

Approval ID: RU D-DE.HB35.B.00371

Bus system cable - SAC-4P-920-SH/...



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Classifications

ECLASS

ECLASS-9.0	27061801
ECLASS-10.0.1	27060390
ECLASS-11.0	27061801

ETIM

ETIM 8.0	EC003249
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UNSPSC

UNSPSC 21.0	26121600
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Bus system cable - SAC-4P-920-SH/...



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Environmental Product Compliance

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

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PHOENIX CONTACT GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com