

SAC-5P-100,0-92X - Bus system cable



1422415

<https://www.phoenixcontact.com/in/products/1422415>

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By the meter, Bus system cable, CANopen[®], DeviceNet[™], shielded, FRNC halogen-free, black, 4-wire (2xAWG24/19+2xAWG22/19), color single wire: red-black, blue-white, cable length: 100 m, for outdoor applications

Commercial Data

Item number	1422415
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	BF1
Product Key	BF1LFA
GTIN	4055626302645
Weight per Piece (including packing)	6,432 g
Weight per Piece (excluding packing)	6,407 g
Customs tariff number	85444995
Country of origin	DE

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Technical Data

Product properties

Product type	Data cable by the meter
Number of positions	4
Shielded	yes

Electrical properties

Transmission medium	Copper
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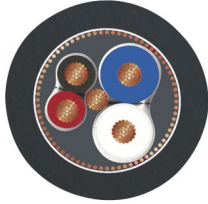
Interfaces

Bus system	CANopen [®] /DeviceNet [™]
Signal type/category	CANopen [®]
	DeviceNet [™]

Cable/line

Cable length	100 m
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CANopen[®]/DeviceNet[™] outdoor installation, FRNC, black [92X]

Dimensional drawing	
Cable weight	70 kg/km
UL AWM Style	21281 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	CANopen [®] /DeviceNet [™] outdoor installation, FRNC, black [92X]
Conductor structure	2xAWG24/19+2xAWG22/19
Signal runtime	4.46 ns/m
Conductor structure signal line	19x 0.13 mm
AWG signal line	24
Conductor cross section	2x 0.25 mm ² (Signal)
	2x 0.34 mm ² (Power)
	1x 0.38 mm ² (Drain wire)
Wire diameter incl. insulation	1.9 mm (Signal)
	1.4 mm (Power)
External cable diameter	6.9 mm ±0.3 mm
Outer sheath, material	FRNC
External sheath, color	black

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Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	red-black, blue-white
Thickness, insulation	0.6 mm (Signal)
	0.3 mm (Power)
Thickness, outer sheath	1.15 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined foil
Overall twist	2 pairs around a drain wire in the center to the core
Optical shield covering	70 %
Max. conductor resistance	90 Ω/km (Signal)
	55 Ω/km (Power)
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Wave impedance	120 Ω ±12 Ω (f = 1 MHz)
Working capacitance	39.8 nF (at 1 kHz, core/core)
Nominal voltage, cable	≤ 300 V
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
Halogen-free	yes
Flame resistance	According to IEC 60332-3-25 (Cat. D)
Resistance to oil	yes
Other resistance	UV resistant
Ambient temperature (operation)	-40 °C ... 105 °C
Ambient temperature (installation)	-40 °C ... 105 °C

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Approvals



EAC

Approval ID: RU C-DE.BL08.B.00286



EAC

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

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Classifications

ECLASS

ECLASS-11.0	27061801
ECLASS-12.0	27061801
ECLASS-13.0	27061801

ETIM

ETIM 8.0	EC003249
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UNSPSC

UNSPSC 21.0	26121600
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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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Accessories

WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/in/products/1212623>



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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