

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



1422415

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

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 documentation. Our general terms of use for downloads are valid.



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)
Product key	BF1LFA
GTIN	4055626302645
Weight per piece (including packing)	6,432 g
Weight per piece (excluding packing)	6,407 g
Country of origin	DE

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



1422415

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

Technical data

Product properties

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

Electrical properties

Transmission medium	Copper
---------------------	--------


Interfaces

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

Cable/line

Cable length	100 m
--------------	-------

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 mm² (Signal)		
	2x 0.34 mm² (Power)		
	1x 0.38 mm² (Drain wire)		
Wire diameter incl. insulation	1.9 mm (Signal)		
	1.4 mm (Power)		
External cable diameter	6.90 mm ±0.3 mm		
Outer sheath, material	FRNC		

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



1422415

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

External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	red-black, blue-white
Thickness, insulation	0.60 mm (Signal)
	0.30 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	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	35 mm
Smallest bending radius, movable installation	69 mm
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

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



1422415

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

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1422415>



EAC-RoHS

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

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



1422415

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003249
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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



1422415

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

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%

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



1422415

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

Accessories

WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com