

SAC-4P-100,0-93P - Bus system cable



1401819

<https://www.phoenixcontact.com/in/products/1401819>

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Bus system cable, Ethernet, 4-wire, shielded, PVC, blue outer sheath, 2 x 2 x 0.14 mm², cable ring: 100 m

Commercial data

Item number	1401819
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF1
Product key	AF1LFA
GTIN	4046356574129
Weight per piece (including packing)	4,975.1 g
Weight per piece (excluding packing)	4,975.1 g
Customs tariff number	85444995
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Sensor type	Ethernet
Number of positions	4

Electrical properties

Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002)
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Cable/line

Cable length	100 m
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Ethernet [93P]

UL AWM Style	2654 (90 °C / 300 V)
Number of positions	4
Shielded	yes
Cable type	Ethernet [93P]
Conductor structure	2x2xAWG26/7, SF/UTP
Signal runtime	0.4 ns/m
Signal speed	0.6 c
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	2x 2x 0.14 mm ²
Wire diameter incl. insulation	0.98 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	white/orange-orange, white/green-green
Thickness, outer sheath	≥ 1.00 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core
Optical shield covering	85 %
Max. conductor resistance	≤ 140 Ω/km
Insulation resistance	> 5 GΩ*km
Wave impedance	100 Ω ±5 % (at 100 MHz)
Working capacitance	< 56 nF

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Nominal voltage, cable	≤ 300 V AC
	≤ 450 V DC
Test voltage Core/Core	2500 V DC
Smallest bending radius, movable installation	25 mm
Tensile strength	≤ 40 N
Shield attenuation	32.00 dB (up to 100 MHz)
Flame resistance	According to VW-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Resistant to cleaning agents/disinfectants (According to ECOLAB F&E/P3-E No. 40-1)
Ambient temperature (operation)	-40 °C ... 90 °C
Ambient temperature (installation)	0 °C ... 50 °C

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C (Cable, flexible installation)
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Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1401819>



EAC-RoHS

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 9.0	EC003249
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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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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