

SAC-5P-100,0-925 - Network cable



1417688

<https://www.phoenixcontact.com/us/products/1417688>

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.



DeviceNet™ network cable, 5-pos., PUR, halogen-free, RAL 4001 violet, shielded, free cable end, to free cable end, cable length: 100 m

Commercial data

Item number	1417688
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	AF1LEA
GTIN	4055626128672
Weight per piece (including packing)	6,382 g
Weight per piece (excluding packing)	6,382 g
Country of origin	DE

SAC-5P-100,0-925 - Network cable

1417688

<https://www.phoenixcontact.com/us/products/1417688>

Technical data

Product properties

Product type	Cable by the meter
Sensor type	CANopen®
Number of positions	5

Electrical properties

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


Interfaces

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

Cable/line

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

CANopen®/DeviceNet™, FRNC, black [925]

Dimensional drawing	
Cable weight	70 kg/km
Number of positions	4
Shielded	yes
Cable type	CANopen®/DeviceNet™, FRNC, black [925]
Conductor structure	2xAWG24/19+2xAWG22/19
Conductor structure signal line	19x 0.12 mm
AWG signal line	24
Conductor structure, voltage supply	19x 0.15 mm
AWG power supply	22
Conductor cross-section	2x 0.25 mm ² (Signal line) 2x 0.34 mm ² (Power supply)
External cable diameter	6.90 mm ±0.3 mm
Outer sheath, material	FRNC
External sheath, color	red lilac RAL 4001
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Cell PE
Single wire, color	red-black, blue-white

SAC-5P-100,0-925 - Network cable



1417688

<https://www.phoenixcontact.com/us/products/1417688>

Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs and one drain wire to the core
Max. conductor resistance	$\leq 90 \Omega/\text{km}$
Insulation resistance	$\geq 0.2 \text{ G}\Omega \cdot \text{km}$
Wave impedance	$120 \Omega \pm 10 \%$
Working capacitance	39.8 nF
Test voltage	2000 V
Smallest bending radius, fixed installation	110 mm
Shield attenuation	< 0.95 dB (At 125 kHz) < 1.64 dB (At 500 kHz)
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)

SAC-5P-100,0-925 - Network cable



1417688

<https://www.phoenixcontact.com/us/products/1417688>

Classifications

ECLASS

ECLASS-15.0	27061801
ECLASS-13.0	27061801

ETIM

ETIM 10.0	EC003249
-----------	----------

UNSPSC

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

SAC-5P-100,0-925 - Network cable



1417688

<https://www.phoenixcontact.com/us/products/1417688>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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