

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



1417688

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

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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

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## Technical data

### Product properties

Product type	Cable by the meter
Number of positions	5

### 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™, 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 <sup>2</sup> (Signal line)
	2x 0.34 mm <sup>2</sup> (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
Twisted pairs	2 cores to the pair

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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)

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## Classifications

### ECLASS

ECLASS-15.0	27061801
ECLASS-13.0	27061801

### ETIM

ETIM 10.0	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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