

# SAC-8P-100,0-PVC/SH-0,25 - Sensor/actuator cable



1550708

<https://www.phoenixcontact.com/gb/products/1550708>

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By the meter, Sensor/actuator cable, shielded, PVC, black RAL 9005, 8-wire, color single wire: white, brown, green, yellow, gray, pink, blue, red, cable length: 100 m

## Commercial data

Item number	1550708
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AF1LBA
Product key	AF1LBA
Catalog page	Page 303 (C-2-2019)
GTIN	4046356170512
Weight per piece (including packing)	8,950 g
Weight per piece (excluding packing)	6,608 g
Customs tariff number	85444995
Country of origin	DE

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## Technical data


### Product properties

Product type	Cable by the meter
Application	Connector
Number of positions	8
Shielded	yes

### Cable/line

Cable length	100 m
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### PVC black [PVC]

Dimensional drawing	
Note	The cable is not suitable for use with drag chains.
Cable weight	85 kg/km
UL AWM Style	2517
Number of positions	8
Shielded	yes
Cable type	PVC black [PVC]
Conductor structure signal line	32x 0.10 mm
AWG signal line	24
Conductor cross section	8x 0.25 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.5 mm ±0.05 mm (Signal line)
External cable diameter	7.70 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material, filler	PVC
Material wire insulation	PVC
Single wire, color	white, brown, green, yellow, gray, pink, blue, red
Thickness, insulation	≥ 0.38 mm (Conductor insulation, signal line) ≥ 0.76 mm (Outer cable sheath)
Overall twist	8 wires around filler to the core, twisted in with additional Cu litz in the wire outer godet
Optical shield covering	85 %
Max. conductor resistance	≤ 78 Ω/km
Insulation resistance	≥ 10 GΩ*km

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Nominal voltage, cable	300 V
Test voltage	3000 V
Smallest bending radius, fixed installation	38.5 mm
Smallest bending radius, movable installation	77 mm
Flame resistance	According to UL 758/1581 (Cable Flame)
	According to DIN EN 60332-1-2 (60 s)
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 80°C
Ambient temperature (operation)	-25 °C ... 105 °C (cable, fixed installation)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1550708>



### UL Listed

Approval ID: FILE E 221474

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	2 A	-	-



### cUL Listed

Approval ID: FILE E 221474

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	2 A	-	-



### EAC-RoHS

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

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## Classifications

### ECLASS

ECLASS-13.0	27061801
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### 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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