

# SAC-5P- 2,0-PVC/M12FS AE - Sensor/actuator cable



1033768

<https://www.phoenixcontact.com/us/products/1033768>

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Sensor/actuator cable, 5-position, PVC, black RAL 9005, free cable end, on Socket straight M12, coding: A, cable length: 5 m, with ferrules

## Commercial data

Item number	1033768
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	AF1CDA
GTIN	4055626540535
Weight per piece (including packing)	93.6 g
Weight per piece (excluding packing)	22.22 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Sensor/actuator cable
Number of positions	5

### Connector

#### Connection 1

Type	free cable end
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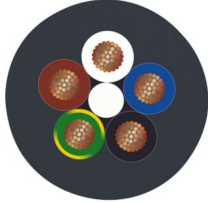
#### Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A

### Cable/line

Cable length	5 m
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#### PVC black [PVC]

Dimensional drawing	
Cable weight	51 kg/km
UL AWM Style	2464 / 1729 (80°C/300 V)
Number of positions	5
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross-section	5x 0.34 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.26 mm ±0.05 mm
External cable diameter	5.00 mm ±0.15 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black, green-yellow
Thickness, insulation	≥ 0.23 mm (Core insulation)
Thickness, outer sheath	≥ 0.76 mm

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Overall twist	5 wires around filler to the core
Max. conductor resistance	max. 57 $\Omega$ /km (at 20 °C)
Insulation resistance	$\geq$ 200 M $\Omega$ *km (at 20 °C)
Nominal voltage, cable	$\leq$ 300 V
Test voltage	$\geq$ 3000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	25 mm
Smallest bending radius, movable installation	50 mm
Flame resistance	UL VW-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -10 °C ... 80 °C (Cable, flexible installation)

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## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### ETIM

ETIM 9.0	EC001855
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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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