

## Sensor/actuator cable - SAC-4P-100,0-28X/SH-0,50 - 1410679


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Sensor/actuator cable, 4-wire, shielded, PE-X, black outer sheath, 4 x 0.5 mm<sup>2</sup>



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 905107
GTIN	4046356905107

### Technical data

#### Dimensions

Length of cable	100 m
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#### General

Rated voltage	48 V AC
	60 V DC
Number of positions	4

#### Standards and Regulations

Flame resistance	according to DIN 60332-1-2
	according to DIN EN 50266-2-5
Resistance to oil	in accordance with DIN EN 60811-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
Other resistance	UV resistant according to DIN VDE 0276-605

#### Cable

Cable type	PE-X black
Cable type (abbreviation)	28X
Cable abbreviation	Li2X2X-C-VI-2X
Conductor cross section	4x 0.5 mm <sup>2</sup> (Signal line)

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### Technical data

#### Cable

AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.6 mm ±0.05 mm (Signal line)
Thickness, insulation	approx. 0.3 mm (Core insulation)
	approx. 0.7 mm (Outer cable sheath)
	approx. 0.45 mm (Inner sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires, twisted
Length of twist, overall twist	108.8 mm
Shielding	Braided copper wires
Optical shield covering	85 %
External sheath, color	black-gray RAL 7021
External cable diameter D	6.8 mm ±0.2 mm
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	68 mm
Number of bending cycles	1000000
Bending radius	68 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	74 kg/km
Outer sheath, material	PE-X
Material, inner sheath	PE-X
Material conductor insulation	PE-X
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	≤ 39 Ω/km (at 20 °C)
Cable capacity	≤ 100 nF/km (Conductor-conductor, asymmetrical/touching)
	≤ 85 nF/km (Conductor-conductor, symmetrical/star quad)
	≤ 150 nF/km (Wire/shield)
Conductor inductance	0.64 mH/km (at 1 kHz)
	0.46 mH/km (at 10 MHz)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC
Special properties	Irradiated
Flame resistance	according to DIN 60332-1-2
	according to DIN EN 50266-2-5
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	UV resistant according to DIN VDE 0276-605

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## Technical data

### Cable

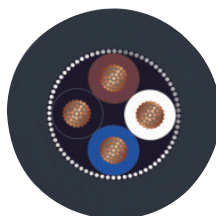
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-15 °C ... 105 °C (cable, flexible installation)

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Cable cross section



PE-X black [28X]

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