

## Sensor/actuator cable - SAC-8P- 1,0-285/FS SH SCO - 1402262

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Sensor/actuator cable, 8-position, PUR, gray RAL 7001, shielded, free cable end, on Socket straight M12 SPEEDCON, A-coded, cable length: 1 m, Twisted pair cable

as in the figure, but with a gray conductor



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	 4 046356 591775
GTIN	4046356591775

### Technical data

#### Dimensions

Length of cable	1 m
Stripping length of the free conductor end	50 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67

#### General

Rated current at 40°C	2 A
Rated voltage	30 V AC
	30 V DC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No

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## Technical data

### General

Overvoltage category	II
Degree of pollution	3

### Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

Flammability rating according to UL 94	HB
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### Cable

Cable type	PUR, gray, shielded
Cable type (abbreviation)	285
Cable abbreviation	Li12YC11Y-HF
Conductor cross section	4x 2x 0.25 mm <sup>2</sup> (Signal line)
	1x 0.25 mm <sup>2</sup> (Drain wire)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Wire colors	white-brown, green-yellow, gray-pink, blue-red
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	gray RAL 7001
External cable diameter D	7.6 mm ±0.2 mm
Minimum bending radius, flexible installation	7.5 x D
Number of bending cycles	3000000
Bending radius	100 mm
Traversing path	1.2 m
Traversing rate	1.4 m/s
Acceleration	2 m/s <sup>2</sup>
Outer sheath, material	PUR
Material conductor insulation	PES
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km
Nominal voltage, cable	350 V
Test voltage, cable	1200 V

## Sensor/actuator cable - SAC-8P- 1,0-285/FS SH SCO - 1402262

### Technical data

#### Cable

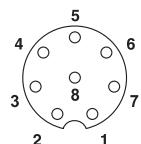
Resistance to oil	very good oil and chemical resistance
Other resistance	ozone and UV resistant
	Low adhesion
	abrasion-resistant
	notch tough
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation)
	-40 °C ... 80 °C (cable, flexible installation)

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"	

### Drawings

Schematic diagram



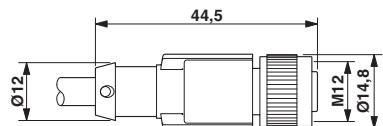
Pin assignment M12 socket, 8-pos., A-coded, view female side

Cable cross section



PUR, gray, shielded [285]

Dimensional drawing



M12 x 1 socket, straight, shielded

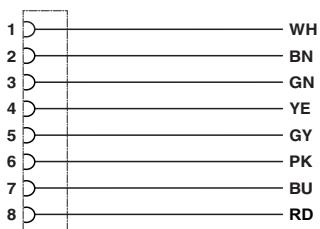
Dimensional drawing



M12 x 1 socket, straight, shielded

## Sensor/actuator cable - SAC-8P- 1,0-285/FS SH SCO - 1402262

Circuit diagram



Contact assignment of the M12 socket

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