

## Sensor/Actuator cable - SAC-8P-MS/ 6,0-285/MS SH SCO - 1575961

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Sensor/Actuator cable, 8-position, PUR, Gray RAL 7001, shielded, Plug straight M12 SPEEDCON, A-coded, on Plug straight M12 SPEEDCON, A-coded, Cable length: 6 m, Twisted pair cables

as in the figure, but with a gray conductor



### Key commercial data

Packing unit	1 1
Minimum order quantity	50 1
Weight per Piece (excluding packing)	222.22 GRM
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	6 m
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#### 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
Number of positions	8
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard

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### Technical data

#### General

Status display	No
Surge voltage category	II
Pollution degree	3

#### Material

Inflammability class 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

#### 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

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### Technical data

#### Cable

Nominal voltage, cable	350 V
Test voltage, cable	1200 V
Special properties	Low adhesion surface
	wear-resistant and notch tough
Resistance to oil	very good oil and chemical resistance
Other resistance	ozone and UV resistant
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation)
	-40 °C ... 80 °C (cable, flexible installation)

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

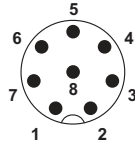
#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Drawings

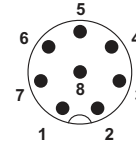
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Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

Schematic diagram



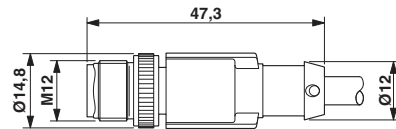
Pin assignment M12 plug, 8-pos., view plug side

Cable cross section



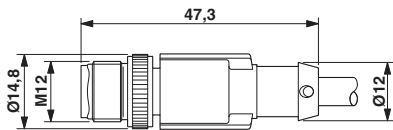
PUR, gray, shielded [285]

Dimensioned drawing



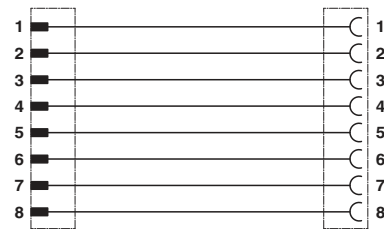
Plug, M12 x 1, straight, shielded

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Circuit diagram



Contact assignment of M12 connector/socket