

## Sensor/Actuator cable - SAC-8P-MS/10,0-285/MS SH SCO - 1575987

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



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: 10 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	10 m
-----------------	------

#### 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

## Sensor/Actuator cable - SAC-8P-MS/10,0-285/MS SH SCO - 1575987

### 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

## Sensor/Actuator cable - SAC-8P-MS/10,0-285/MS SH SCO - 1575987

### 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

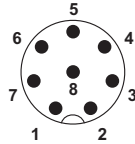
#### UNSPSC

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

### Drawings

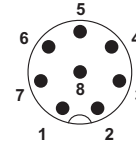
# Sensor/Actuator cable - SAC-8P-MS/10,0-285/MS SH SCO - 1575987

Schematic diagram



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

Schematic diagram



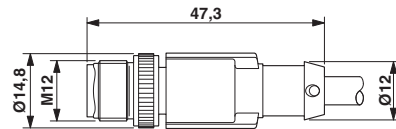
Pin assignment M12 plug, 8-pos., view plug side

Cable cross section



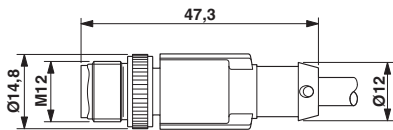
PUR, gray, shielded [285]

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Circuit diagram



Contact assignment of M12 connector/socket