

# SAC-4P-MSD/10,0-PUR/FSD SCO - Sensor/actuator cable



1038860

<https://www.phoenixcontact.com/us/products/1038860>

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 documentation. Our general terms of use for downloads are valid.



Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: D, on Socket straight M12, coding: D, cable length: 10 m

## Commercial data

Item number	1038860
Packing unit	1 pc
Minimum order quantity	100 pc
Product key	AF1CCA
GTIN	4055626593609
Weight per piece (including packing)	275 g
Weight per piece (excluding packing)	275 g
Country of origin	PL

# SAC-4P-MSD/10,0-PUR/FSD SCO - Sensor/actuator cable



1038860

<https://www.phoenixcontact.com/us/products/1038860>

## Technical data

### Product properties

Product type	Sensor/actuator cable
--------------	-----------------------

### Connector

#### Connection 1

Type	Plug straight M12
Coding type	D

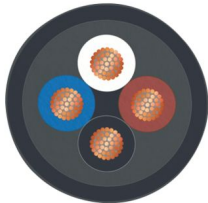
#### Connection 2

Type	Socket straight M12
Coding type	D

### Cable/line

Cable length	10 m
--------------	------

#### PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	30 kg/km
UL AWM Style	20549 / 10493 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	4x 0.34 mm <sup>2</sup> (Signal line)
Wire diameter incl. insulation	1.27 mm ±0.02 mm
External cable diameter	4.20 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, white, blue, black
Thickness, insulation	≥ 0.21 mm
Thickness, outer sheath	approx. 0.50 mm
Overall twist	4 wires, twisted

# SAC-4P-MSD/10,0-PUR/FSD SCO - Sensor/actuator cable



1038860

<https://www.phoenixcontact.com/us/products/1038860>

Max. conductor resistance	≤ 58 Ω/km
Insulation resistance	≥ 1 GΩ*km
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	21 mm
Smallest bending radius, movable installation	42 mm
Dynamic load capacity (bending)	Max. bending cycles: 10000000, Bending radius: 42 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup>
Dynamic load capacity (torsion)	Torsion: ±180 °/m, Torsion cycles: ≥5000000, Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Flame resistance	in accordance with UL 758/1581 FT2
	DIN EN 60332-2-2 (20 s)
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
	Low adhesion
	abrasion-resistant
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
	flexible
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

# SAC-4P-MSD/10,0-PUR/FSD SCO - Sensor/actuator cable



1038860

<https://www.phoenixcontact.com/us/products/1038860>

## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### UNSPSC

UNSPSC 21.0	31251501
-------------	----------

# SAC-4P-MSD/10,0-PUR/FSD SCO - Sensor/actuator cable



1038860

<https://www.phoenixcontact.com/us/products/1038860>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)