

SAC-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

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, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 2.6 m, High-grade steel knurl

Commercial data

Item number	1050814
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF1CDA
GTIN	4055626670379
Weight per piece (including packing)	100 g
Weight per piece (excluding packing)	99 g
Country of origin	PL

SAC-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	5

Connector

Connection 1

Type	Plug straight M12
Number of positions	5
Coding type	A

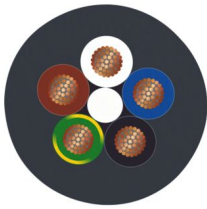
Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A

Cable/line

Cable length	2.6 m
--------------	-------

PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	33 kg/km
UL AWM Style	20549
Number of positions	5
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	5x 0.34 mm ² (Signal line)
Wire diameter incl. insulation	1.27 mm 0.05 mm (Signal line)
External cable diameter	4.55 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, green-yellow

SAC-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

Thickness, insulation	approx. 0.50 mm
Max. conductor resistance	max. 58 Ω /km (at 20 °C)
Insulation resistance	$\geq 16 \text{ G}\Omega \cdot \text{km}$ (at 20 °C)
Nominal voltage, cable	300 V
Test voltage	3000 V
Smallest bending radius, fixed installation	23 mm
Smallest bending radius, movable installation	46 mm
Dynamic load capacity (bending)	Max. bending cycles: 10000000, Bending radius: 46 mm, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
Dynamic load capacity (torsion)	Torsion: $\pm 180^\circ/\text{m}$, Torsion cycles: ≥ 5000000 , Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
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 Resistant to salt water partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
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-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1050814>

 UL Listed Approval ID: FILE E 221474				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	125 V	4 A	-	-

 cUL Listed Approval ID: FILE E 221474				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	125 V	4 A	-	-

SAC-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 10.0	EC001855
-----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

SAC-5P-M12MS/2,6-PUR/M12FS VA - Sensor/actuator cable



1050814

<https://www.phoenixcontact.com/us/products/1050814>

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	1.755 kg CO2e
---------	---------------

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