

**SAC-4P-10,0-511/M12FS FB**

Order No.: 1552450

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1552450>

Sensor/Actuator cable, 4-position, Special mixture on PVC base, Black RAL 9005, Free conductor end, on Socket, straight M12, A-coded, Cable length: 10 m

**Commercial data**

GTIN (EAN)	
sales group	D111
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 212 (PC-2011)

**Product notes**WEEE/RoHS-compliant since:  
09/04/2006

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

**Technical data****General data**

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	≤ 5 mΩ

Insulation resistance	≥ 100 MΩ
Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

**General characteristics**

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	High-grade steel
Sealing material	NBR
Status display	No

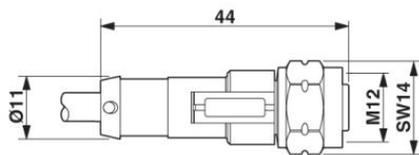
**Conductor data**

Cable type	PVC black FDA
Cable type (abbreviation)	511
Cable abbreviation	LiYY-HF
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.05 mm
External cable diameter	5.2 mm ± 0.2 mm
Wire colors	Black, brown, blue, white
External sheath, color	Black RAL 9005
Nominal voltage, conductor	300 V
Test voltage, conductor	1500 V
Overall twist	4 wires, twisted
Outer sheath, material	Special mixture on PVC base
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)
Special properties	FDA compliant
Resistance to oil	good oil-resistance
Other resistance	UV resistant
	Silicone-free

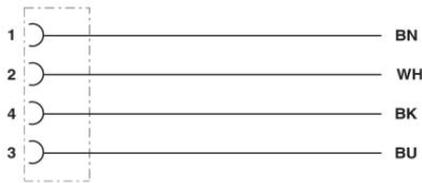
### Diagrams/Drawings

#### Dimensioned drawing



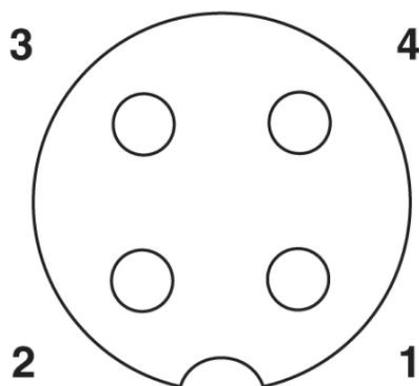
M12 x 1 female connector, straight

#### Circuit diagram



Contact assignment of the M12 plug and the M12 socket

#### Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2011 Phoenix Contact  
Technical modifications reserved;