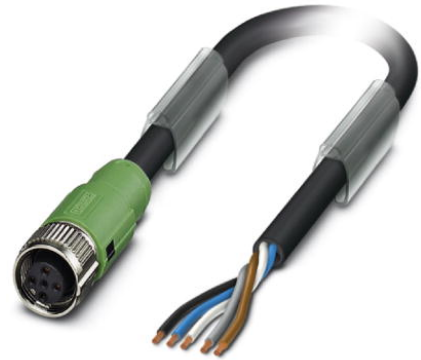


## SAC-5P-10,0-186/FS SCO

Order No.: 1518384



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1518384>

Power cable cable, 5-pos., PUR/PVC black, free conductor end on straight socket M12 SPEEDCON, length: 10 m

### Commercial data

EAN	4017918968502
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.6752 KG
Catalog page information	Page 381 (AX-2009)

### Product notes

WEEE/RoHS-compliant since:  
03/27/2007



<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

Nominal current $I_N$	4 A
Nominal voltage $U_N$	60 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	10 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

#### General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuSn
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
Status display	No

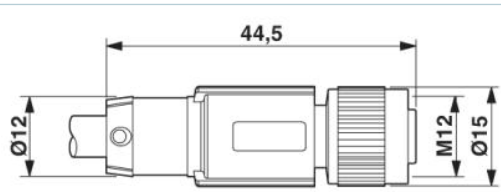
#### Conductor data

Cable type	PUR/PVC black
Cable type (abbreviation)	186
Cable abbreviation	LiY11Y
Conductor cross section	0.75 mm <sup>2</sup>
AWG signal line	18
Conductor structure, signal line	42x 0.15 mm
Core diameter including insulation	1.7 mm ±0.05 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.76 mm (Outer cable sheath)
External cable diameter	6.30 mm
Wire colors	Brown, white, blue, black, gray
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	Max. 26 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V

Overall twist	5 wires around filler to the core
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Cable weight	67 kg/km
Smallest bending radius, movable installation	63 mm
Number of bending cycles	2000000
Bending radius	63 mm
Traversing path	5 m
Traversing rate	3 m/s
Acceleration	5 m/s <sup>2</sup>
Flame resistance	As per UL-Style 20549

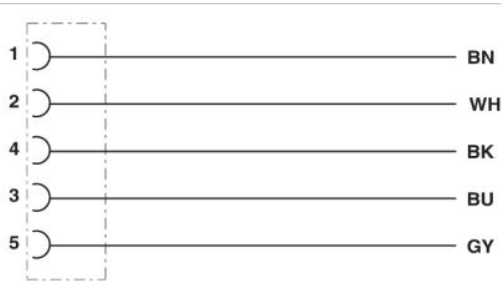
**Drawings**

Dimensioned drawing



M12 x 1 female connector, straight

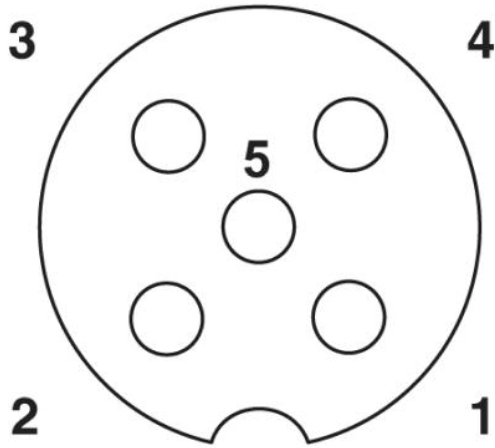
Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

Pin assignment M12 socket, 5-pos., A-coded, socket side view



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