



Extract from the online catalog

# SAC-17P-10,0-PUR/FS SCO

Order No.: 1430802



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1430802>

Sensor/Actuator cable, 17-position, PUR, halogen-free, Black RAL 9005, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 10 m

Commercial data	
GTIN (EAN)	4046356456623
Note	Made-to-order
sales group	D118
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.7718 KG
Catalog page information	Page 97 (PC-2009)

#### Product notes

WEEE/RoHS-compliant since:  
09/29/2008



<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	1.5 A
Rated voltage	30 V
Number of positions	17
Volume resistance	≤ 5 mΩ

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Insulation resistance	≥ 100 MΩ
Length of cable	10 m
Stripping length of the free conductor end	35 mm
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)

#### General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

#### Conductor data

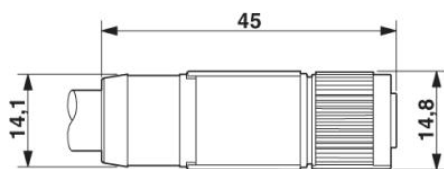
Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm
External cable diameter	8.00 mm
Wire colors	White-brown, green-yellow, gray-pink, blue-red, black-violet, gray/ pink-red/blue, white/green-brown/green, white/yellow-yellow/ brown-white/gray
External sheath, color	Black RAL 9005
Conductor resistance	142 Ω/km
Overall twist	17 wires twisted in layers
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated Cu litz wires
Number of bending cycles	4000000
Bending radius	60 mm

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Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation)
Special properties	Low adhesion surface
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

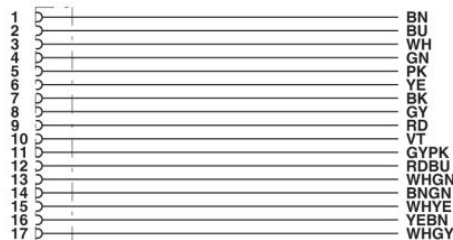
### Diagrams/Drawings

#### Dimensioned drawing



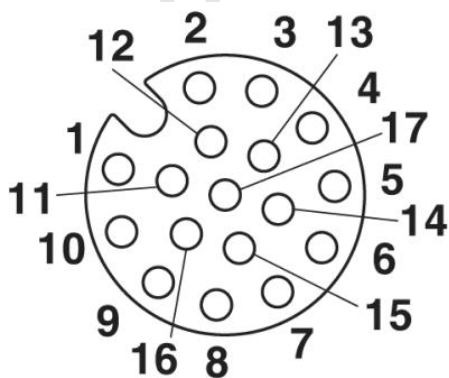
Socket M12-SPEEDCON, straight, shielded

#### Circuit diagram



Contact assignment of the M12 socket

#### Schematic diagram



Pin assignment M12, 17-pos., female side view

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