

## SAC-5P-MS/ 5,0-PUR/FS SCO

Order No.: 1553323

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Sensor/actuator cable, 5-pos., PUR halogen-free black, straight M12 SPEEDCON plug, on straight M12 SPEEDCON socket, cable length: 5 m

### Commercial data

EAN	4046356155175
Pack	5 pcs.
Customs tariff	85444290
Weight/Piece	0.20456 KG

### Product notes

WEEE/RoHS-compliant since:  
08/30/2006



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### 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	≥ 100 MΩ
Length of cable	5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °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

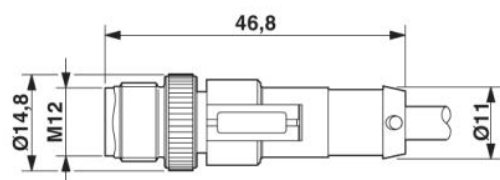
#### Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-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	1.27 mm ±0.05 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
	Approx. 0.7 mm (Outer cable sheath)
External cable diameter	5.00 mm
Wire colors	brown, blue, white, black, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 GΩ*km
Conductor resistance	≤ 58 Ω/m
Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V

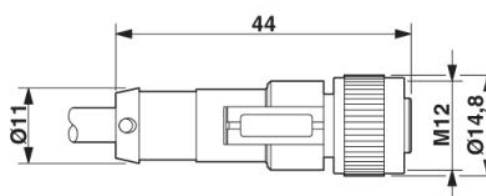
Overall twist	5 cores, twisted
Outer sheath, material	PUR
Material, filler	PP
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	35 kg/km
Number of bending cycles	400000
Bending radius	50 mm
Traversing path	10 m
Traversing rate	3 m/s

**Drawings**

Dimensioned drawing

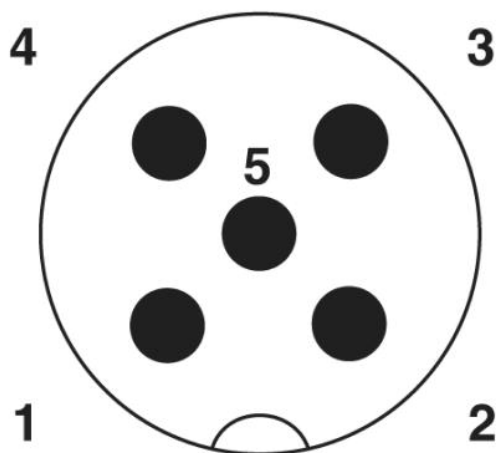


M12 x 1 male connector, straight

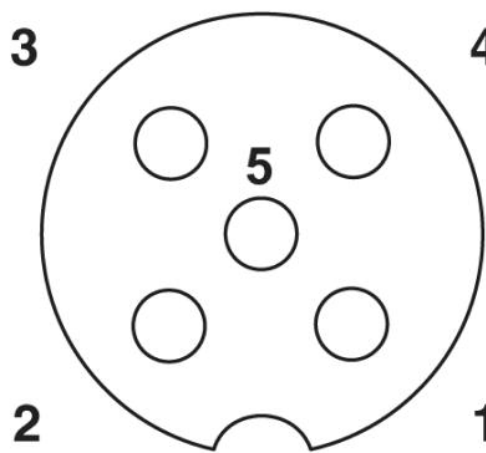


M12 x 1 female connector, straight

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side



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

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