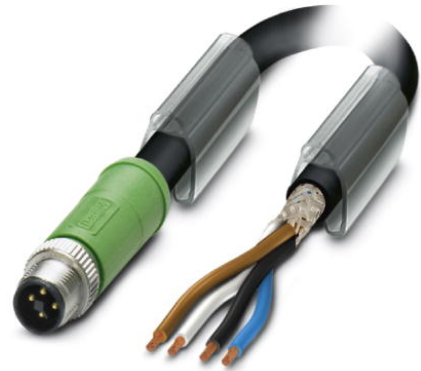



## SAC-4P-MST/ 5,0-PUR SH SCO

Order No.: 1424122

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1424122>

Power cable, 4-position, PUR halogen-free, Black RAL 9005, shielded, Plug straight M12 SPEEDCON, T-coded, on free cable end, Cable length: 5 m, for direct current up to 12 A/60 V



Commercial data	
EAN	 4 046356 693264
sales group	D117
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.7411 KG
Net weight per piece	0.7411 KG
Catalog page information	Page 293 (C-2-2013)

**Product notes**

WEEE/RoHS-compliant since:  
08/25/2011



<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****Dimensions**

Length of cable	5 m
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**Ambient conditions**

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
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Degree of protection	IP65
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	IP67
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### General

Rated current at 40°C	12 A
Rated voltage	60 V
Number of positions	4
Contact resistance	≤ 3 mΩ
Insulation resistance	≤ 10 GΩ
Coding	T power
Standards/regulations	M12 connector
Status display	No
Protective circuit/component	Unwired
Surge voltage category	III
Pollution degree	3
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 connector)

### Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated

### Cable

Cable type	PUR halogen-free black shielded
Cable type (abbreviation)	PUR
Cable abbreviation	LS9YC11Y-OB
Conductor cross section	4x 1.5 mm <sup>2</sup>
AWG power supply	16
Core diameter including insulation	2.4 mm
Thickness, insulation	1.2 mm (Outer cable sheath)
Wire colors	brown, white, blue, black
Overall twist	4 wires optimally twisted
Shielding	Tinned copper-braided shield, approx. 85% covering
External sheath, color	Black RAL 9005
External cable diameter D	9.7 mm ±0.3 mm

Smallest bending radius, fixed installation	49 mm
Smallest bending radius, movable installation	73 mm
Number of bending cycles	4000000
Bending radius	97 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Torsion force	± 25 °/m
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 10 MΩ*km (at 20 °C)
Conductor resistance	≤ 13.3 Ω/km (at 20 °C)
Nominal voltage, cable	300 V AC
Test voltage, cable	1500 V AC (5 min.)
Flame resistance	According to EN 60332-1-2 According to UL 1581 VW1
Halogen-free	According to VDE 0282-13 Appendix C
Resistance to oil	in accordance with DIN EN 60811-2-1 According to DIN EN 50363-10-2
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation) -30 °C ... 90 °C (cable, flexible installation)

### Certificates / Approvals

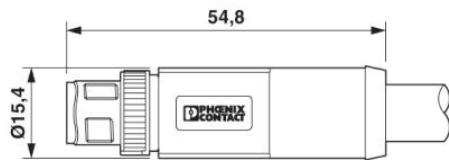
Certification

Certifications applied for:

Certification Ex:

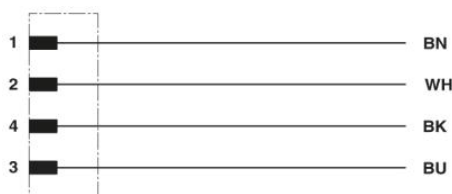
## Drawings

### Dimensioned drawing



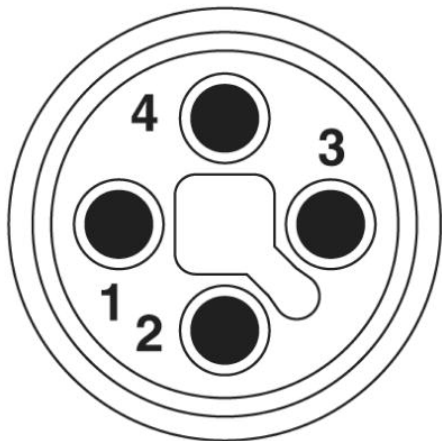
M12 x 1 plug, straight

### Circuit diagram

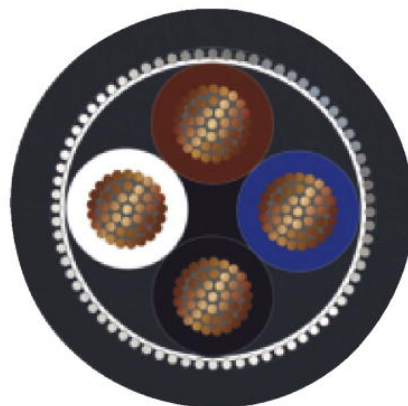


Contact assignment of the M12 plug

### Schematic diagram



Pin assignment for M12 plug, 4-pos., T-coded, view of plug side



PUR halogen-free black shielded [PUR]

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