

## Power cable - SAC-3P-10,0-PVC/FSS PE SCO - 1411647

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Power cable, 3-position, PVC, black, free cable end, on Socket straight M12 SPEEDCON, S-coded, Cable length: 10 m, for AC current up to 16 A/230 V

### Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ High-performance: AC connectors for up to 16 A and 230 V AC
- ✓ Protection against incorrect connection using special S-coding
- ✓ Save time, thanks to installation with SPEEDCON fast locking system



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 936736
GTIN	4046356936736
Weight per Piece (excluding packing)	860.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	10 m
-----------------	------

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
Degree of protection	IP67

#### General

## Power cable - SAC-3P-10,0-PVC/FSS PE SCO - 1411647

### Technical data

#### General

Rated current at 40°C	16 A
Rated voltage	230 V
Rated surge voltage	2 kV
Number of positions	3
Insulation resistance	100 MΩ
Coding	S power
Status display	No
Protective circuit/component	Unwired
Overvoltage category	III
Degree of pollution	3
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 connector)

#### Material

Flammability rating 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

#### Standards and Regulations

Flammability rating according to UL 94	V0
--	----

#### Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LSYwYw-JZ
UL AWM style	2517 (105 °C/300 V)
Conductor cross section	3x 1.5 mm <sup>2</sup>
AWG power supply	16
Conductor structure, voltage supply	30x 0.25 mm
Core diameter including insulation	2.4 mm ±0.1 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black
External cable diameter D	6.8 mm ±0.2 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	12 x D

# Power cable - SAC-3P-10,0-PVC/FSS PE SCO - 1411647

## Technical data

### Cable

Cable weight	80 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 10 \text{ M}\Omega \cdot \text{km}$ (at 20 °C)
Conductor resistance	$\leq 13.3 \text{ }\Omega/\text{km}$ (at 20 °C)
Nominal voltage, cable	300 V AC
Test voltage, cable	2000 V AC
Flame resistance	According to IEC 60332-1
	According to DIN EN 60332-1-2
	According to VW-1
	According to FT1
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

### Environmental Product Compliance

REACH SVHC	DOT 15571-58-1
------------	----------------

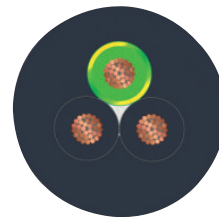
## Drawings

Schematic diagram



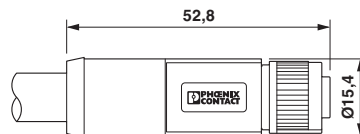
Pin assignment of M12 socket, 3-pos., S-coded, socket side view

Cable cross section



PVC black [PVC]

Dimensional drawing



M12 x 1 socket, straight

# Power cable - SAC-3P-10,0-PVC/FSS PE SCO - 1411647

## Approvals

### Approvals

---

#### Approvals


UL Listed / cUL Listed / cULus Listed


---


#### Ex Approvals

---

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 468743
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		12 A	
Nominal voltage U <sub>N</sub>		600 V	

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 468743
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		12 A	
Nominal voltage U <sub>N</sub>		600 V	

cULus Listed			
--------------	---	--	--