

## Power cable - SAC-3P- 5,0-PVC/FRS PE SCO - 1411650

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Power cable, 3-position, PVC, black, free cable end, on Socket angled M12 SPEEDCON, S-coded, cable length: 5 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 936767
GTIN	4046356936767
Weight per Piece (excluding packing)	460.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	5 m
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#### Ambient conditions

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

#### General

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## Technical data

### General

Rated current at 40°C	16 A
Rated voltage	230 V AC
Rated surge voltage	2 kV
Number of positions	3
Color handle area	black
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
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### 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

# Power cable - SAC-3P- 5,0-PVC/FRS PE SCO - 1411650

## Technical data

### Cable

Minimum bending radius, flexible installation	12 x D
Cable weight	80 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
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	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	DOTE 15571-58-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

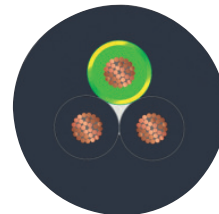
## Drawings

Schematic diagram



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

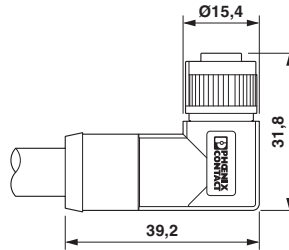
Cable cross section



PVC black [PVC]

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Dimensional drawing



M12 x 1 socket, angled

## Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27061801
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 4.0	EC001855
ETIM 5.0	EC001855
ETIM 6.0	EC001855

UNSPSC

UNSPSC 13.2	31251501
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## Approvals

Approvals

Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals


Approval details

# Power cable - SAC-3P- 5,0-PVC/FRS PE SCO - 1411650

## Approvals

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>	E468743
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current IN	12 A		
Nominal voltage UN	300 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>	E468743
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cULus Listed	
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