

## Power cable - SAC-4P-10,0-PUR/FRS PE SCO - 1408854

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Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12 SPEEDCON, S-coded, Cable length: 10 m, For AC current up to 12 A/630 V

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- High-performance: AC connectors for up to 12 A and 630 V AC
- Protection against incorrect connection using special S-coding
- Save time, thanks to installation with SPEEDCON fast locking system
- Our standard: robust halogen-free PUR cable



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 839945
Weight per Piece (excluding packing)	1117.4 g
Weight per piece (including packing)	1117.4 g
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Environmental Product Compliance

REACH SVHC	DOTe 15571-58-1
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#### Dimensions

Length of cable	10 m
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#### Ambient conditions

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

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## Technical data

### General

Rated current at 40°C	12 A
Rated voltage	630 V
Number of positions	4
Insulation resistance	≥ 10 GΩ
Coding	S power
Status display	No
Protective circuit/component	Unwired
Overvoltage category	III
Degree of pollution	3
Insertion/withdrawal cycles	> 100

### 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	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9YV1-11Y
UL AWM style	20234 / 10492 (80°C/1000 V)
Conductor cross section	4x 1.5 mm <sup>2</sup>
AWG power supply	16
Conductor structure, voltage supply	78x 0.15 mm
Core diameter including insulation	2.45 mm ±0.05 mm
Thickness, insulation	≥ 0.36 mm
Wire colors	Black 1, black 2, black 3, green/yellow
Overall twist	4 wires, twisted
Length of twist, overall twist	93 mm
External sheath, color	black-gray RAL 7021
Outer sheath thickness	approx. 1.3 mm
External cable diameter D	8.8 mm ±0.25 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	2000000
Minimum bending radius, drag chain applications	10 x D

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## Technical data

### Cable

Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	114 kg/km
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Conductor resistance	≤ 13 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 1000 V AC
Test voltage, cable	≥ 10000 V AC (Spark test)
Flame resistance	According to UL 758/1581 (Cable Flame)
	According to UL 758/1581 FT1
	According to DIN EN 60332-1-2
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
	According to UL 758, 168 h at 60°C
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10
	Low adhesion
	abrasion-resistant
	Resistant to salt water
Ambient temperature (operation)	-50 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 80 °C (cable, flexible installation)

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC001855
ETIM 5.0	EC001855

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## Classifications

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

UL Listed 	
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 	
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 	
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# Power cable - SAC-4P-10,0-PUR/FRS PE SCO - 1408854

## Drawings

Dimensional drawing

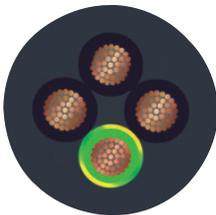
M12  
x  
1  
socket,  
single

Assignment of M12 socket, 4-pos., S-coded, socket side view

Schematic diagram

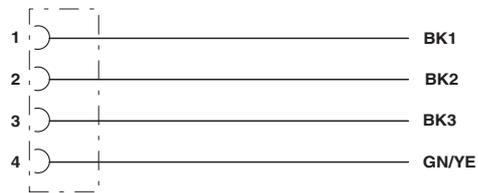


Cable cross section



PUR halogen-free black [PUR]

Circuit diagram



Contact assignment of the M12 socket

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