# Power cable - SAC-4P- 3,0-PVC/FSL SCO - 1425094

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Power cable, 4-position, PVC, black RAL 9005, Socket straight M12 SPEEDCON, L-coded, on free cable end, Cable length: 3 m, for direct current up to 16 A/63 V

## Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- High-performance: DC connectors for up to 16 A and 63 V DC
- 
- Save time, thanks to installation with SPEEDCON fast locking system

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 |
| GTIN | 4 055626 384320 |
| GTIN | 4055626384320 |

## Technical data

### Dimensions

| | |
|---|---|
| Length of cable | 3 m |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

### General

| | |
|---|---|
| Rated current at 40°C | 16 A |



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## Technical data

### General

| | |
|---|---|
| Rated voltage | 63 V (DC) |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | L - 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 | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material of grip body | PA |
| Material, knurls | Zinc die-cast, nickel-plated |

### Standards and Regulations

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

### Cable

| | |
|---|---|
| Cable type | PVC |
| Cable type (abbreviation) | PVC |
| UL AWM style | 20233 / 10493 (80°C/300 V) |
| Conductor cross section | 4x 2.5 mm² |
| AWG power supply | 14 |
| Conductor structure, voltage supply | 141x 0.15 mm |
| Core diameter including insulation | 3 mm ±0.1 mm |
| Thickness, insulation | ≥ 0.36 mm |
| Wire colors | brown, white, blue, black |
| External sheath, color | black-gray RAL 7021 |
| Outer sheath thickness | approx. 0.76 mm |
| External cable diameter D | 9.5 mm ±0,3 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 |
| Traversing path | 10 m |



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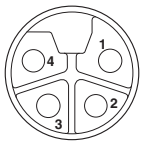
## Technical data

### Cable

| | |
|---|---|
| Traversing rate | 3 m/s |
| Acceleration | 10 m/s² |
| Outer sheath, material | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Conductor resistance | ≤ 8 Ω/km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V AC |
| Test voltage, cable | ≥ 3000 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 |
| Resistance to oil | According to DIN EN 60811-404, 168 h at 60 °C |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -20 °C ... 80 °C (cable, flexible installation) |

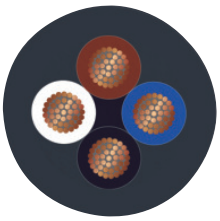
## Drawings

Schematic diagram



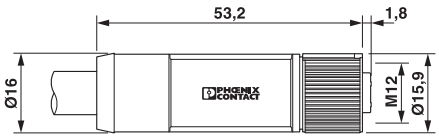

Pin assignment of M12 socket, 4-pos.

Cable cross section



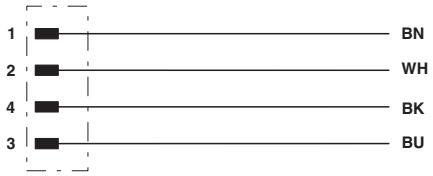
PVC [PVC]

Dimensional drawing




M12 x 1 socket, straight

Circuit diagram




Contact assignment of the M12 socket



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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 9.0 | 27060311 |

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