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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Power cable - SAC-4P-FST/20,0-PUR SH SCO - 1415343

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Power cable, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M12 SPEEDCON, T-coded, cable length: 20 m, for direct current up to 12 A/60 V

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ High-performance: DC connectors for up to 12 A and 60 V DC
- ✓ Protection against incorrect connection using special T-coding
- ✓ Shield power reliably – 360° shielding to reduce electromagnetic loads
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Our standard: robust halogen-free PUR cable



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 STK |
| Minimum order quantity | 10 STK |
| GTIN |  4 055626 046907 |
| GTIN | 4055626046907 |

Technical data

Dimensions

| | |
|-----------------|------|
| Length of cable | 20 m |
|-----------------|------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
|---------------------------------|----------------------------------|

General

| | |
|-----------------------|---------|
| Rated current at 40°C | 12 A |
| Rated voltage | 60 V |
| | 63 V DC |
| Number of positions | 4 |
| Insulation resistance | ≤ 10 GΩ |

Power cable - SAC-4P-FST/20,0-PUR SH SCO - 1415343

Technical data

General

| | |
|------------------------------|---------------|
| Coding | T power |
| Standards/regulations | M12 connector |
| 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

| | |
|--|---------------|
| Standard designation | M12 connector |
| Flammability rating according to UL 94 | V0 |

Cable

| | |
|---|--|
| Cable type | PUR halogen-free black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | LS9YC11Y-OB |
| Conductor cross section | 4x 1.5 mm ² |
| 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 ² |
| Torsion force | ± 25 °/m |
| Outer sheath, material | PUR |

Power cable - SAC-4P-FST/20,0-PUR SH SCO - 1415343

Technical data

Cable

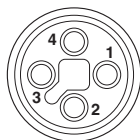
| | |
|---------------------------------|--|
| Material conductor insulation | PP |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | $\geq 10 \text{ M}\Omega \cdot \text{km}$ (at 20 °C) |
| Conductor resistance | $\leq 13.3 \text{ }\Omega/\text{km}$ (at 20 °C) |
| Nominal voltage, cable | 300 V AC |
| Test voltage, cable | 1500 V AC (5 min.) |
| Flame resistance | according to EN 60332-1-2 |
| | in acc. 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) |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

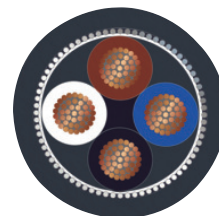
Drawings

Schematic diagram



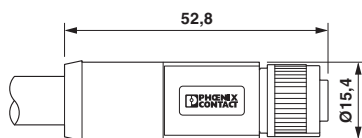
Pin assignment of M12 socket, 4-pos., T-coded, socket side view

Cable cross section



PUR halogen-free black [PUR]

Dimensional drawing



M12 x 1 socket, straight

Circuit diagram



Contact assignment of the M12 socket

Power cable - SAC-4P-FST/20,0-PUR SH SCO - 1415343

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|---------|
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743 |
| | | | |
| Nominal voltage UN | | 63 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 16 | |

| | | | |
|----------------------------|--|---|---------|
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743 |
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| Nominal voltage UN | | 63 V | |
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| | | | |
|--------------|--|--|--|
| cULus Listed | | | |
|--------------|--|--|--|

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