

# SAC-4P-M12MRS/10PUR/FRS PE SH - Power cable



1033058

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Power cable, 4-position, PUR halogen-free, orange RAL 2003, shielded, Plug angled M12 SPEEDCON, coding: S, on Socket angled M12 SPEEDCON, coding: S, cable length: 10 m, for AC current up to 12 A/630 V

## Commercial data

Item number	1033058
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF1CCP
GTIN	4055626537528
Weight per piece (including packing)	1,152 g
Weight per piece (excluding packing)	1,452.5 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Power cable
Application	Energy supply
Number of positions	4
Shielded	yes

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Nominal voltage $U_N$	690 V AC
Nominal current $I_N$	12 A

### Connector

#### Connection 1

Type	Plug angled M12 SPEEDCON
Locking type	SPEEDCON
Coding type	S (Power)

#### Connection 2

Type	Socket angled M12 SPEEDCON
Locking type	SPEEDCON
Coding type	S (Power)

### Cable/line

Cable length	10 m
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#### PUR halogen-free orange shielded [PUR]

UL AWM Style	80°C/1000 V
Number of positions	4
Shielded	yes
Cable type	PUR halogen-free orange shielded [PUR]
Conductor structure, voltage supply	44x 0.20 mm
AWG power supply	16
Conductor cross-section	4x 1.5 mm <sup>2</sup>
Wire diameter incl. insulation	≤ 2.35 mm
External cable diameter	8.20 mm ±0.3 mm
Outer sheath, material	PUR
External sheath, color	orange RAL 2003
Conductor material	Bare Cu litz wires
Material wire insulation	PP

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Single wire, color	black 1, black 2, black 3, green/yellow
Thickness, insulation	0.36 mm
Thickness, outer sheath	0.90 mm
Overall twist	4 wires optimally twisted
Max. conductor resistance	≤ 14.1 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	1000 V AC
Test voltage	≥ 10000 V AC (Spark test)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s <sup>2</sup>
Dynamic load capacity (torsion)	Torsion: ±180 °/m, Torsion cycles: ≥500000, Torsional frequency: 35 cycles/min.
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	According to DIN EN 60332-2-2 (20 s) UL 1581, FT2
Resistance to oil	according to DIN EN 60811-404, 168 h at 100 °C
Other resistance	UV resistant Low adhesion
Ambient temperature (operation)	-50 °C ... 85 °C (cable, fixed installation) -30 °C ... 85 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67 (without preloading, as additional test in accordance with IEC 60529)

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## Classifications

### ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

### ETIM

ETIM 10.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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