

SAC-4P-MSS/2,3-PUR/FRS PE OBS - Power cable



1005205

<https://www.phoenixcontact.com/us/products/1005205>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: S, on Socket angled M12 SPEEDCON, coding: S, cable length: 2.3 m, for AC current up to 12 A/630 V, Without PATGs

Commercial data

Item number	1005205
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1CCP
GTIN	4055626475189
Weight per piece (including packing)	303.1 g
Weight per piece (excluding packing)	303.1 g
Country of origin	DE

SAC-4P-MSS/2,3-PUR/FRS PE OBS - Power cable



1005205

<https://www.phoenixcontact.com/us/products/1005205>

Technical data

Product properties

Product type	Power cable
Application	Power supply
Number of positions	4

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 straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	S (Power)

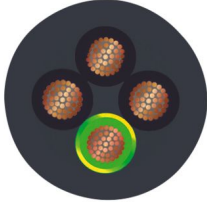
Connection 2

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

Cable/line

Cable length	2.3 m
--------------	-------

PUR halogen-free black [PUR]

Dimensional drawing	
Cable weight	114 kg/km
UL AWM Style	20234 / 10492 (80°C/1000 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure, voltage supply	78x 0.15 mm

SAC-4P-MSS/2,3-PUR/FRS PE OBS - Power cable



1005205

<https://www.phoenixcontact.com/us/products/1005205>

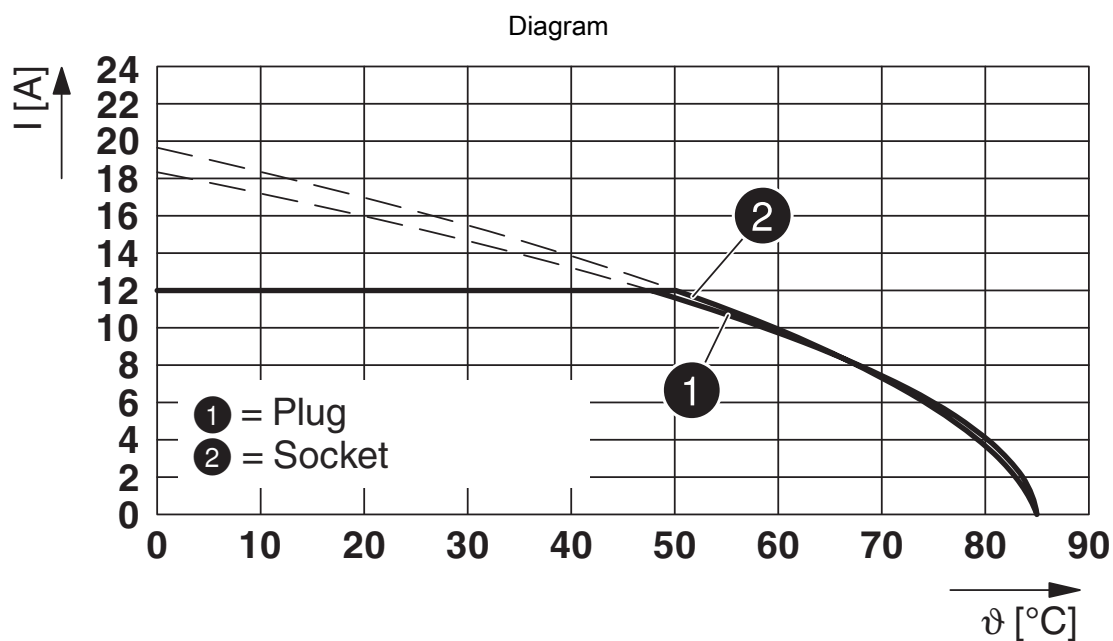
AWG power supply	16
Conductor cross section	4x 1.5 mm²
Wire diameter incl. insulation	2.45 mm ±0.05 mm
External cable diameter	8.80 mm ±0.25 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	black 1, black 2, black 3, green/yellow
Thickness, insulation	≥ 0.36 mm
Thickness, outer sheath	approx. 1.30 mm
Overall twist	4 wires, twisted
Length of twist, overall twist	93 mm
Max. conductor resistance	≤ 13 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
Smallest bending radius, fixed installation	44 mm
Smallest bending radius, movable installation	88 mm
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 10 x D, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²
Halogen-free	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
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 60811-2-1, 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)

Environmental and real-life conditions

Ambient conditions

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

Drawings



Base curve

SAC-4P-MSS/2,3-PUR/FRS PE OBS - Power cable



1005205

<https://www.phoenixcontact.com/us/products/1005205>

Classifications

ECLASS

ECLASS-13.0	27060327
-------------	----------

UNSPSC

UNSPSC 21.0	31251501
-------------	----------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com