

# SAC-4P-M12MST/5,0-PUR/FRT OBS - Power cable



1005200

<https://www.phoenixcontact.com/us/products/1005200>

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, coding: T, on Socket angled M12, coding: T, cable length: 5 m, For direct current up to 12 A/63 V, Without PATGs

## Commercial data

Item number	1005200
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1CCQ
GTIN	4055626474779
Weight per piece (including packing)	580.88 g
Weight per piece (excluding packing)	580.88 g
Country of origin	PL

# SAC-4P-M12MST/5,0-PUR/FRT OBS - Power cable



1005200

<https://www.phoenixcontact.com/us/products/1005200>

## Technical data

### Product properties

Product type	Power cable
Application	Energy supply
Number of positions	4

### Electrical properties

Nominal voltage $U_N$	63 V DC
-----------------------	---------

### Connector

#### Connection 1

Type	Plug straight M12
Coding type	T (Power)

#### Connection 2

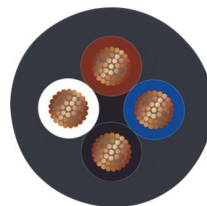
Type	Socket angled M12
Coding type	T (Power)

### Cable/line

Cable length	5 m
--------------	-----

#### PUR halogen-free black [PUR]

##### Dimensional drawing



Cable weight	83 kg/km
UL AWM Style	20549 / 10493 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [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	2.2 mm ±0.05 mm
External cable diameter	6.75 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires

# SAC-4P-M12MST/5,0-PUR/FRT OBS - Power cable



1005200

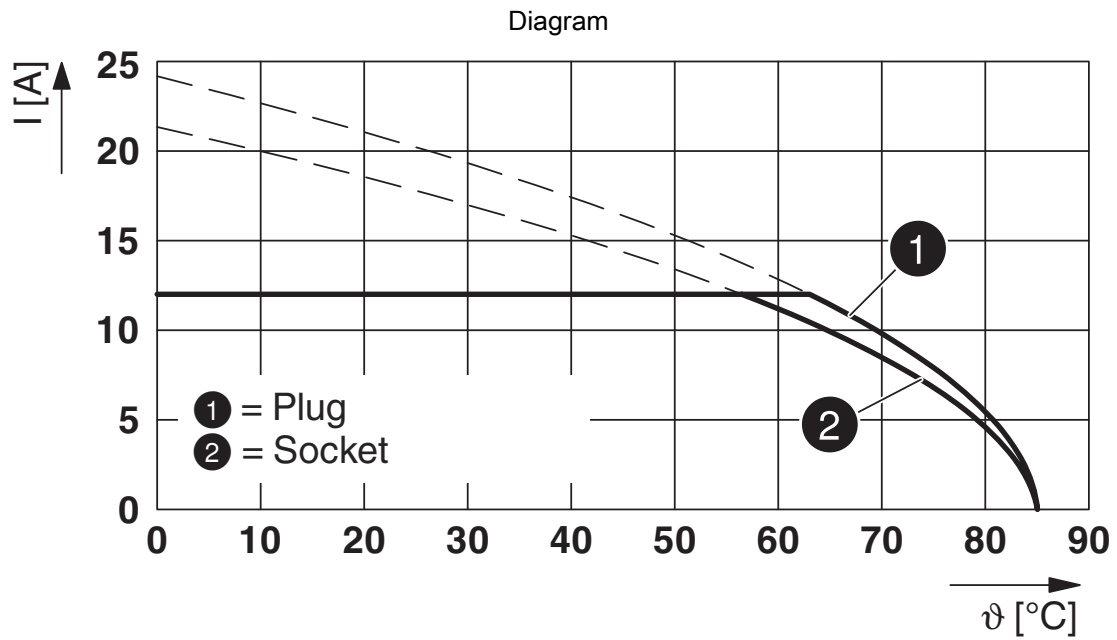
<https://www.phoenixcontact.com/us/products/1005200>

Material wire insulation	PP
Single wire, color	brown, white, blue, black
Thickness, insulation	≥ 0.26 mm
Thickness, outer sheath	approx. 0.70 mm
Overall twist	4 wires, twisted
Max. conductor resistance	≤ 14.1 Ω/km (at 20 °C)
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage	≥ 3000 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	34 mm
Smallest bending radius, movable installation	68 mm
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 in accordance with DIN EN 50267-2-1
Flame resistance	According to UL 758/1581 (Cable Flame) in accordance with UL 758/1581 FT2 according to DIN EN 60332-2-2
Resistance to oil	according to DIN EN 60811-404, 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
Special properties	Flexible cable conduit capable
Ambient temperature (operation)	-50 °C ... 85 °C (cable, fixed installation) -30 °C ... 85 °C (Cable, flexible installation)

1005200

<https://www.phoenixcontact.com/us/products/1005200>

Drawings



Base curve

# SAC-4P-M12MST/5,0-PUR/FRT OBS - Power cable



1005200

<https://www.phoenixcontact.com/us/products/1005200>

## Classifications

### ECLASS

ECLASS-13.0	27060327
ECLASS-15.0	27060327

### UNSPSC

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

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)