

SAC-3P-100,0-180/0,25 - Cable reel

1501809

<https://www.phoenixcontact.com/us/products/1501809>



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By the meter, Cable reel, PUR halogen-free, orange RAL 2003, 3-wire, color single wire: brown, blue, black, cable length: 100 m

Commercial data

Item number	1501809
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LBA
GTIN	4017918813932
Weight per piece (including packing)	2,398.9 g
Weight per piece (excluding packing)	2,316 g
Customs tariff number	85444995
Country of origin	DE

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Technical data

Product properties

Product type	Cable by the meter
Number of positions	3

Cable/line

Cable length	100 m
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PUR halogen-free orange [180]

Cable weight	30 kg/km
Number of positions	3
Shielded	no
Cable type	PUR halogen-free orange [180]
Conductor structure signal line	32x 0.10 mm
AWG signal line	24
Conductor cross section	0.25 mm ²
Wire diameter incl. insulation	1.35 mm ±0.05 mm
External cable diameter	5.2 mm
Outer sheath, material	PUR
External sheath, color	orange RAL 2003
Conductor material	Bare Cu litz wires
Material wire insulation	TPE
Single wire, color	brown, blue, black
Thickness, insulation	0.35 mm (Core insulation)
	1.15 mm (Outer cable sheath)
Overall twist	3 wires, twisted
Max. conductor resistance	≤ 77.8 Ω/km
Test voltage	2500 V
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	78 mm
Dynamic load capacity (bending)	Max. bending cycles: 4000000, Bending radius: 78 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
	Max. bending cycles: 4000000, Bending radius: 78 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
Ambient temperature (operation)	-25 °C ... 105 °C (cable, fixed installation)
	-5 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (cable, fixed installation)
	-5 °C ... 105 °C (Cable, flexible installation)

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1501809>



EAC-RoHS

Approval ID: RU D-DE.HB35.B.00371

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Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 9.0	EC003249
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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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