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SAC-2P-100,0-913 - Bus system cable

1416130

https://www.phoenixcontact.com/gb/products/1416130

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By the meter, Bus system cable, PROFIBUS PA (31.25 kbps), FOUNDATION Fieldbus (31.25 kbps), shielded, PVC, black, 2-wire (2xAWG18/7 + 1xAWG20/7), color single wire: red, green, cable length: 100 m

Commercial data

Item number	1416130
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AF1LEA
Product key	AF1LEA
GTIN	4055626063157
Weight per piece (including packing)	7,967 g
Weight per piece (excluding packing)	7,967 g
Customs tariff number	85444995
Country of origin	NL

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Technical data

Product properties

Product type	Data cable by the meter
Sensor type	PROFIBUS PA
Number of positions	2
Shielded	yes

Electrical properties

Transmission medium	Copper

Interfaces

Signal type/category	PROFIBUS PA, 31.25 kbps
	FOUNDATION Fieldbus, 31.25 kbps

Cable/line

Cable length	100 m

PROFIBUS PA [913]

UL AWM Style	2464
Number of positions	2
Shielded	yes
Cable type	PROFIBUS PA [913]
Conductor structure	2xAWG18/7 + 1xAWG20/7
Signal speed	0.77 c
Conductor structure signal line	7x 0.40 mm
AWG signal line	18
Conductor cross section	2x 0.75 mm² (Signal line)
	1x 0.5 mm² (Drain wire)
Wire diameter incl. insulation	2.5 mm ±0.05 mm
External cable diameter	7.80 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	red, green
Thickness, insulation	0.65 mm
Thickness, outer sheath	1.00 mm
Twisted pairs	2 cores to the pair
Overall twist	One pair with one drain wire and fillers for core
Optical shield covering	70 %
Max. conductor resistance	20.5 Ω/km (Signal line)
	9 Ω/km (shield)
Cable capacity	80 nF/km (Line-line)

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	4 nF/km (Line-shield)
Cable impedance	100 Ω ±20 % (At 31.25 kHz)
Nominal voltage, cable	300 V
Tensile strength	80 N
Flame resistance	according to IEC 60332-1
Resistance to oil	According to ICEA S82-552
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-30 °C ... 75 °C
Ambient temperature (installation)	-5 °C ... 80 °C

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1416130

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

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Classifications

ECLASS

ECLASS-13.0	27061801

ETIM

ETIM 9.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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