

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



1416130

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

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.



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

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



1416130

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

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 mm ² (Signal line)
	1x 0.5 mm ² (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)

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



1416130

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

	4 nF/km (Line-shield)
Cable impedance	100 Ω $\pm$ 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

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



1416130

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

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

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



1416130

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

Classifications

ECLASS

ECLASS-13.0	27061801
-------------	----------

ETIM

ETIM 9.0	EC003249
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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



1416130

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

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%
-------------------------------------	----------------------------

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

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk