

Bus system cable - SAC-2P-100,0-913 - 1416130

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Bus system cable, PROFIBUS PA (31.25 kbps), FOUNDATION Fieldbus (31.25 kbps), 2-position, PVC, black, shielded, cable length: 100 m



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 063157
GTIN	4055626063157

Technical data

Dimensions

Length of cable	100 m
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General

Number of positions	2
Signal type/category	PROFIBUS PA, 31.25 kbps
	FOUNDATION Fieldbus, 31.25 kbps

Cable

Cable type	PROFIBUS PA
Cable type (abbreviation)	913
UL AWM style	2464
Cable structure	2xAWG18/7 + 1xAWG20/7
Conductor cross section	2x 0.75 mm ² (Signal line)
	1x 0.5 mm ² (Drain wire)
AWG signal line	18
Conductor structure signal line	7x 0.40 mm
Core diameter including insulation	2.5 mm ±0.05 mm
Thickness, insulation	0.65 mm
Wire colors	Red, green

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Technical data

Cable

Twisted pairs	2 cores to the pair
Overall twist	One pair with one drain wire and fillers for core
Shielding	Aluminum-lined polyester foil and braiding with filler litz wire
Optical shield covering	70 %
External sheath, color	black
Outer sheath thickness	1 mm
External cable diameter D	7.8 mm
Tensile strength GRP	80 N
Outer sheath, material	PVC
Material conductor insulation	Foamed PE
Conductor material	Tin-plated Cu litz wires
Conductor resistance	20.5 Ω /km (Signal line)
	9 Ω /km (shield)
Cable capacity	80 nF/km (core-core)
	4 nF/km (core-shield)
Signal speed	0.77 c
Cable impedance	100 Ω $\pm$ 20 % (At 31.25 kHz)
Nominal voltage, cable	300 V
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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27060390
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801
eCl@ss 9.0	27061801

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Classifications

ETIM

ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

UNSPSC

UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

Approvals

Approvals

EAC-RoHS

Ex Approvals

Approval details

EAC-RoHS		RU D- DE.HB35.B.00371
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