

SAC-2P-500,0-912 - Bus system cable



1416129

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Bus system cable, PROFIBUS PA (31.25 kbps), FOUNDATION Fieldbus (31.25 kbps), 2-position, PVC, blue, shielded, cable length: 500 m

Commercial data

Item number	1416129
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF1LEA
GTIN	4055626063140
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
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
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Interfaces

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

Cable/line

Cable length	500 m
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PROFIBUS PA [912]

UL AWM Style	2464
Number of positions	2
Shielded	yes
Cable type	PROFIBUS PA [912]
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	blue
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 \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

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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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