

Technical data sheet

PVC Bus cables · Profibus · shielded

LÜTZE ELECTRONIC Profibus (C) PVC



Identification

Type EL BUS(C)PVC(1×2×AWG22/7)VI
Part No. [104214](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- For wiring of industrial field bus systems like PROFIBUS DP, F.I.P.
 - With solid conductor AWG22/1 for hard wiring or with 7-wire stranded conductor for moving use without compulsory guide in the automation technology, transport and conveyor technology, machine tool manufacture
- Properties
- High protection against electromagnetic interferences (EMI)
 - Silicone free

Construction

Description ELECTRONIC Profibus (C) PVC
Number of conductors/cross-section (1×2×AWG22/7)StC
Number of conductors 2
Cross-section AWG AWG 22
Jacket material PVC
Jacket color violet similar to RAL 4001
Outer Ø 7.8 mm
Weight 6.8 kg/100 m
Cu-Index 3 kg/100 m

Construction Element 1

Element construction (1×2×AWG22/7)
Conductor AWG conductor
CU-wire bare
Conductor marking standard EN 61158, EN 61784

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Conductor insulation	Special Polyolefin
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Overall construction

Overall stranding	Stranded pairs
Overall shield	Foil shield Braid shield Tinned copper wires Optical cover approx. 70 %
Jacket characteristics	Flame-retardant Silicone free

Technical data

Rated voltage	250 V
Test voltage type	AC 1500 V
Temperature range moving	-5 °C ... +70 °C
Temperature range fixed	-30 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D

Technical Data Element 1

Element construction	(1×2×AWG22/7)
Operating capacitance wire-wire	approx.30 pF/m
Loop resistance	≤110 mΩ/m
Impedance	nom.150 Ω

Certifications/Standards

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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