

Technical data sheet

PVC Bus cables · CAN-BUS · shielded

LÜTZE ELECTRONIC CAN-BUS (C) PVC



Identification

Type EL BUS(C)PVC (1×2×AWG24/7)VI
Part No. [104386](#)

Product version

Datasheet version 00

Use/Application/Properties

Application

- For wiring of industrial field bus systems like CAN-BUS
- For fixed installation or moving use without compulsory guide in the automation technology, transport and conveyor technology, machine tool manufacture
- Compliant with NFPA 79 requirements

Properties

- High protection against electromagnetic interferences (EMI)
- Flexible for easy installation
- Talc free and silicone free

Construction

Description	ELECTRONIC CAN-BUS (C) PVC
Number of conductors/cross-section	(1×2×AWG24/7)
Number of conductors	2
Cross-section, metric	0.25 mm ²
Cross-section AWG	AWG 24
Jacket material	Special PVC
Jacket color	violet similar to RAL 4001
Outer Ø	5.8 mm
Outer Ø	0.224 inch
Surface	adhesion-free
Weight	4 kg/100 m
Weight	29 Lbs/Mft
Cu-Index	1.7 kg/100 m
Cu-Index	13 Lbs/Mft

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Construction Element 1

Element construction	(1×2×AWG24/7)
Conductor	AWG conductor CU-wire bare
Conductor marking standard	ISO 11898
Conductor insulation	Special Polyolefin

Overall construction

Overall stranding	Stranded pairs
Overall wrapping	Transparent plastic film
Overall shield	Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Silicone free

Technical data

Rated voltage	250 V
Test voltage type	AC 1500 V
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +75 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	7.5×D

Technical Data Element 1

Element construction	(1×2×AWG24/7)
Operating capacitance wire-wire	approx.40 pF/m
Loop resistance	≤175.2 mΩ/m
Impedance	nom.120 Ω

Certifications/Standards

Certifications	cULus CMX Meets NEC 392, 800
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL VW-1

General

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