

Technical data sheet

PVC Bus cables · DeviceNet™ · shielded

LÜTZE DeviceNet™ (C) PVC Flexible DeviceNet™ Cable



Identification

Type EL BUS(C)Y ((2×0,34)+(2×0,22))
Part No. [104280](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• For the wiring of industrial sensors, control devices, valves, and other equipment• Application in automation technology, transport and conveyor technology, machine tool manufacture• Compliant with NFPA 79 requirements |
| Properties | <ul style="list-style-type: none">• 2-pair cable: The pair with the smaller cross section serves for the data transmission, the pair with the larger cross section is for the power supply• High protection against electromagnetic interferences (EMI)• Flexible for easy installation• Talc free and silicone free |

Construction

Description	ELECTRONIC BUS (C) PVC
Number of conductors/cross-section	((2×AWG24)+(2×AWG22))
Number of conductors	4
Cross-section, metric	0.25 mm ²
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	7.1 mm
Outer Ø	0.28 inch
Surface	adhesion-free
Weight	49 Lbs/Mft
Cu-Index	18 Lbs/Mft

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com · sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) · Bruckwiesenstraße 17-19 · D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de · info@luetze.de

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Construction Element 1

Element construction	(2×AWG24)
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	white • blue
Conductor insulation	Special Polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Foil shield Tinned copper wires optical cover approx. 100%

Construction Element 2

Element construction	(2×AWG22)
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	red • black
Conductor insulation	Special Polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Foil shield tinned copper wires optical cover approx. 100%

Overall construction

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

Technical data

Rated voltage	300 V
Test voltage type	AC 3000 V
Temperature range moving	-10 °C ... +75 °C
Temperature range fixed	-40 °C ... +75 °C
Minimum bending radius moving	10×D
Minimum bending radius fixed	5×D

Technical Data Element 1

Element construction	(2×AWG24)
Impedance	nom.120 Ω

Technical Data Element 2

Element construction	(2×AWG22)
Impedance	nom.120 Ω

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Certifications/Standards

Certifications	cULus
	CM
	CL 2
	Meets NEC 392, 800
Conformity	CE
	RoHS
	REACH
	TSCA
Burning behavior according to	DIN EN 60332-1-2
	IEC 60332-1
	UL Vertical-Tray
	UL FT1

General

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