

Technical data sheet

PVC Bus cables · DeviceNet™ · shielded

LUTZE DeviceNet™ (C) PVC Flexible DeviceNet™ Cable for Stationary Applications



Identification

Type EL BUS(C)Y ((2×1,5)+(2×0,75))
Part No. [104281](#)

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×AWG15)+(2×AWG18))
Number of conductors	4
Cross-section, metric	1.5 mm ²
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	12.1 mm
Outer Ø	0.48 inch
Surface	adhesion-free
Weight	136 Lbs/Mft
Cu Index	48 Lbs/Mft

Construction Element 1

Element construction (2×AWG18)

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Conductor	AWG conductor CU-wire tin-plated
Conductor marking	white • blue
Conductor insulation	Special Polyolefin
Cabling	Conductors twisted in pairs
Element shielding	Foil shield Tinned copper wires optical cover approx. 100%

Construction Element 2

Element construction	(2×AWG16)
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	red • black
Conductor insulation	Special Polyolefin
Cabling	Conductors twisted 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×cable OD
Minimum bending radius fixed	5×cable OD

Technical Data Element 1

Element construction	(2×AWG18)
Impedance	nom.120 Ω

Technical Data Element 2

Element construction	(2×AWG16)
Impedance	nom.120 Ω

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Approvals/Standards

Approvals	cULus PLTC CM 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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