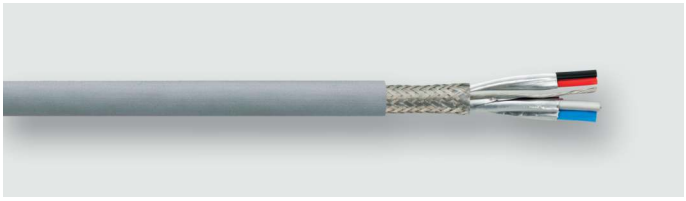
Technical data sheet

PVC Bus cables · DeviceNet™ · shielded

LÜTZE DeviceNet™ (C) PVC
Flexible DeviceNet™ Cable



Identification

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

Product version

Datasheet version	00

Use/Application/Properties

Application	• 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	• 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 mm²
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

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

Construction Element 1

Element construction	(2×AWG18)
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×AWG16)
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×AWG18)
Impedance	nom.120 Ω

Technical Data Element 2

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

Certifications/Standards

Certifications	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