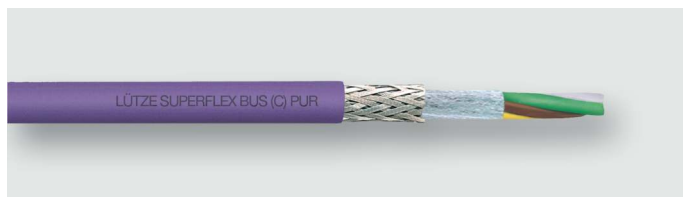


Technical data sheet

PUR Bus cables · CAN-BUS · C-track compatible

LÜTZE SUPERFLEX® CAN-BUS (C) PUR

For highest requirements



Identification

Type SU CAN BUS (C) PUR (1×2×AWG24)
Part No. [104101](#)

Product version

Datasheet version 01

Use/Application/Properties

Application

- For wiring of industrial field bus systems like CAN-BUS
- For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture
- Compatible with all major drag chain brands
- Compliant with NFPA 79 requirements

Properties

- High protection against electromagnetic interferences (EMI)
- Talc free and silicone free

Construction

Description SUPERFLEX® CAN-BUS (C) PUR
Number of conductors/cross-section (1×2×AWG24/19)
Number of conductors 2
Cross-section, metric 0.25 mm²
Cross-section AWG AWG 24
Jacket material PUR
Jacket color violet similar to RAL 4001
Outer Ø 6.5 mm
Outer Ø 0.256 inch
Weight 4.4 kg/100 m
Weight 32 Lbs/Mft
Cu-Index 2.4 kg/100 m
Cu-Index 17 Lbs/Mft

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Construction Element 1

Conductor	AWG conductor CU-wire bare
Conductor marking standard	ISO 11898
Conductor insulation	Special Polyolefin

Overall construction

Overall stranding	Stranded pairs
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires Optical cover approx. 90 %
Jacket characteristics	Flame-retardant Oil resistant Halogen free Silicone free

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
Temperature range moving	-30 °C ... +70 °C
Temperature range fixed	-40 °C ... +75 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	7.5×D
Bending cycles	≥1 Mio
Travel distance	≤4.5 m
Speed	3 m/s
Acceleration	3 m/s ²
Tensile strength moving	25 N
Tensile strength fixed	90 N

Technical Data Element 1

Insulation resistance at 20 °C	5000 MΩ×km
Conductor resistance	≤87.6 Ω/km
Operating capacitance wire-wire	approx.40 pF/m
Loop resistance	175.2 mΩ/m
Impedance	nom.120 Ω

Certifications/Standards

Certifications	CMX cULus
Conformity	CE RoHS REACH TSCA

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Burning behavior according to	DIN EN 60332-1-2 IEC 60332-1-2 UL 1581 VW-1 UL FT1
Oil resistant according to	IEC 60811-404 DIN EN 50363-10-2
Halogen free according to	DIN EN 60754-1 IEC 60754-1 DIN 0472 Part 815

General

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