

Technical data sheet

PUR Bus cables · Profibus · C-track compatible

LÜTZE SUPERFLEX® Profibus (C) PUR

For highest requirements



Identification

Type SU PROFIBUS (C) PUR (1×2×AWG24/19)
Part No. [104265](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- For wiring of industrial field bus systems like PROFIBUS DP, SINEC L2, F.I.P
 - 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)
 - Silicone free
 - Flame retardant
 - Abrasion-resistant, nick-resistant, tear-propagation-resistant
 - Hydrolysis-resistant, microbe-resistant, and rot-resistant
 - Coolant and lubricant resistant

Construction

Description SUPERFLEX® PROFIBUS (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 8 mm
Outer Ø 0.315 inch

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Surface	adhesion-free
Weight	6.5 kg/100 m
Weight	37 Lbs/Mft
Cu-Index	3 kg/100 m
Cu-Index	16 Lbs/Mft

Construction Element 1

Element construction	(1×2×AWG24/19)
Conductor	AWG conductor CU-wire bare
Conductor marking standard	EN 61158, EN 61784
Conductor insulation	Special Polyolefin

Overall construction

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

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	75 °C
Temperature range moving	-30 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	5×D
Bending cycles	≥5 Mio
Travel distance	≤3.5 m
Speed	3 m/s
Acceleration	3 m/s ²

Technical Data Element 1

Element construction	(1×2×AWG24/19)
Operating capacitance wire-wire	approx.30 pF/m
Loop resistance	≤165 mΩ/m
Impedance	nom.150 Ω

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Certifications/Standards

Certifications	CMX cULus cURus Meets NEC 392, 800
UL style	AWM 21198
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 UL 1581 UL FT1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

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