

Technical data sheet

PUR Network cables · ETHERNET · C-track compatible

LÜTZE SUPERFLEX® SINGLE PAIR ETHERNET (C) PUR



Identification

Type SU SP ET (C) PUR (1×2×AWG26/7)StC
Part No. [104450](#)

Product version

Datasheet version 01

Use/Application/Properties

- Application
- For wiring of industrial field bus systems with the globally accepted TCP/IP protocol
 - For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture
- Properties
- High protection against electromagnetic interferences (EMI)
 - Silicone free

Construction

Description SUPERFLEX® Single Pair ETHERNET (C) PUR
Number of conductors/cross-section (1×2×AWG26/7)
Number of conductors 2
Cross-section, metric 0.14 mm²
Cross-section AWG AWG 26
Jacket material PUR
Jacket color green similar to RAL 6018
Outer Ø 4.7 mm
Weight 2.5 kg/100 m
Cu-Index 1.5 kg/100 m

Construction Element 1

Element construction (1×2×AWG26/7)
Conductor construction AWG 26/7

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Conductor	AWG conductor CU-wire bare
Conductor marking standard	IEC 61156
Conductor insulation	Special Polyolefin
Stranding	Conductors stranded in pairs
Wrapping	Non-woven material

Overall construction

Overall stranding	Stranded pairs Layer pitch optimised
Overall shield	Foil shield Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Oil resistant Halogen free Silicone free Low-adhesion

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
Temperature range moving	-30 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	8×D
Bending cycles	≥3 Mio
Travel distance	≤3.5 m
Speed	≤3 m/s
Acceleration	≤3 m/s ²

Technical Data Element 1

Element construction	(1×2×AWG26/7)
Insulation resistance at 20 °C	≥500 MΩ×km
Operating capacitance wire-shield	approx.50 pF/m
Loop resistance	≤280 mΩ/m
Impedance	nom.100 Ω
HF Characteristics according to	IEC 61156-12

Certifications/Standards

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2
Oil resistant according to	DIN EN 50363-10-2 DIN EN 60811-404

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Halogen free according to	IEC 60754-1 VDE 0472-815
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General

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