Technical data sheet

PUR electronic cables · C-track compatible · Unshielded

LÜTZE SUPERFLEX® TRONIC PUR Unshielded electronic cable UL recognized For highest requirements













Identification

Type SU TR PUR 2×0,34

Part No. <u>117048</u>

Product version

Datasheet version 00

Use/Application/Properties

Application

- C-track as well as everywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating and climate technology
- · In dry and damp rooms
- As monitoring, measurement and control cable for continuous bending loads

load

Properties

- · Low capacitance, very good electrical properties
- Flame retardant, self extinguishing
- Halogen free, no corrosive gases
- · Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- · Hydrolysis-resistant, microbe-resistant, and rot-resistant
- · Industrial and salt water resistant
- Excellent coolant and lubricant resistance
- · Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Silicone free

Construction

Description SUPERFLEX® TRONIC PUR

Number of conductors/cross-section 2×0.34 Number of conductors 2

Cross-section, metric 0.34 mm²
Cross-section AWG AWG 22

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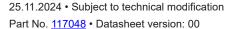
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Jacket material PUR

Jacket color grey similar to RAL 7001

 Outer Ø
 4.3 mm

 Outer Ø
 0.169 inch

 Surface
 adhesion-free

 Weight
 2.1 kg/100 m

 Weight
 13 Lbs/Mft

 Cu-Index
 0.7 kg/100 m

 Cu-Index
 6 Lbs/Mft

Construction Element 1

Element construction 2×0.34

Conductor CU-wire bare

Conductor category IEC 60228, Class 6

Superfinely stranded DIN VDE 0295

Class 6

Conductor marking Color coded
Conductor marking standard DIN 47100
Conductor insulation Special TPE

Overall construction

Overall stranding Conductors layered construction

Layer pitch optimised

Conductors twisted without mechanical stress

Overall wrapping Non-woven material Jacket characteristics Flame-retardant

Self-extinguishing Halogen free Oil resistant Grease-resistant

Petrol-resistant (alcohol-free)

Kerosene-resistant

Silicone free

Technical data

Rated voltage 300 V
Test voltage type AC 1500 V
Temperature according to UL 80 °C

Temperature range moving $-25 \,^{\circ}\text{C} \dots +80 \,^{\circ}\text{C}$ Temperature range fixed $-40 \,^{\circ}\text{C} \dots +80 \,^{\circ}\text{C}$

Minimum bending radius moving $7.5 \times D$ Minimum bending radius fixed $4 \times D$ Bending cycles≥5 MioTravel distance≤20 mSpeed≤4 m/sAcceleration≤5 m/s²



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Element construction 2 × 0.34

Insulation resistance at 20 °C ≥1000 MΩ×km

Certifications/Standards

Certifications cURus

UL style AWM 20549

Conformity CE

RoHS REACH TSCA

Burning behavior according to IEC 60332-2-2

DIN EN 60332-2-2

UL 1581

Horizontal Flame Test

UL FT2

Oil resistant according to DIN EN 50363-10-2

Halogen free according to IEC 60754-1

DIN EN 60754-1

UV-resistant according to UL 1581/2556-300h

General

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

35/EU