

Technical data sheet

PUR electronic cables · C-track compatible · Shielded

LÜTZE SUPERFLEX® TRONIC (C) PUR
Shielded electronic cable UL recognized
For highest requirements



Identification

Type SU TR (C) PUR (15x0,34)

Part No. [117124](#)

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
- Especially for industrial environments with high EMI potential in machine, plant and device construction

Properties

- High protection against electromagnetic interferences (EMI)
- Braided shield optimised for continuous flexing use
- 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 (C) PUR (15x0.34)

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

Technical data sheet

PUR electronic cables · C-track compatible · Shielded

Number of conductors/cross-section	(15×0.34)
Number of conductors	15
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR
Jacket color	grey similar to RAL 7001
Outer Ø	8.2 mm
Outer Ø	0.323 inch
Surface	adhesion-free
Weight	68 Lbs/Mft
Cu-Index	6.9 kg/100 m
Cu-Index	46.23 Lbs/Mft

Construction Element 1

Element construction	(15×0.34)
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 twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires Optical cover approx. 85 %
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 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Travel distance	≤20 m

Technical data sheet

PUR electronic cables · C-track compatible · Shielded

Speed	4 m/s
Acceleration	5 m/s ²

Technical Data Element 1

Element construction	(15×0,34)
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
------	--