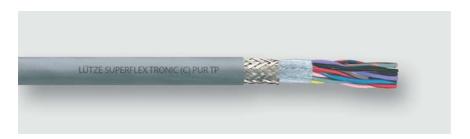
Technical data sheet · LÜTZE SUPERFLEX® TRONIC (C) TP PUR UL Shielded electronic cable UL/CSA recognized, paired For highest requirements



PVC electronic cables · C-track compatible · Shielded

IdentificationType $(6\times2\times0.25)$ Part-No.117177

Use/Area of application

Application

- Robots, drag chains as well as everywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating, climate technology
- · In dry and moist rooms
- As monitoring, measurement and control cable for continuous flexing applications
- Especially for industrial environments with high EMI potential in machine, plant and device construction

13.11.2013 - Subject to technical modification

Part-No. 117177 USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

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Properties

- High active and passive interference resistance (EMC)
- High crosstalk attenuation through twisted pairs
- · Braided shield optimised for continuous flexing applications
- Low capacitance, very good electrical properties
- Flame-retardant, self-extinguishing
- Halogen-free, no corrosive gases
- · Very good flexing strength
- Low adhesion, Abrasion-resistant, Tear resistant
- · Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Good resistance to wear and salt water
- · Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Silicone free
- · RoHS-compliant

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UL approval AWM 20233
Rated voltage 300 V
Nominal voltage 300 V 80 °C
Test voltage 3000 V

Insulation resistance min. 100 M Ω × km

Temperature range moving -25 °C to +80 °C

fixed $-40 \,^{\circ}\text{C}$ to $+80 \,^{\circ}\text{C}$

Minimum bending radius moving D × 12

fixed D × 6

Jacket material PUR

Fire performance Flame-retardant according to VDE 0482 part 265-2

DIN EN 50265-2; IEC 60332-1;

UL 1581 section VW-1Flame-Test

Halogen-free according to EN 50267-2-1

 $\begin{array}{ccc} \text{Outer-}\varnothing & & 8.1 \text{ approx. mm} \\ \text{Outer}\,\varnothing & & 0.319 \text{ ca. mm / in} \\ \text{Weight} & & 13.1 \text{ kg/100 m} \\ \text{Weight} & & 84.4 \text{ Lbs/Mft} \\ \text{Cu-Index} & & 4.7 \text{ kg/100 m} \\ & & & 32 \text{ Lbs/Mft} \\ \end{array}$

Design

Number of strands/cross-section $(6 \times 2 \times 0.25)$

Conductor structure Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228

class 6

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Conductor insulation Special TPE conductor insulation, UL Certified
Conductor labelling Conductors colour-coded according to DIN 47100
Stranding Zero-potential paired stranding, layer pitch optimised

Banding Non-woven material over stranded cable

Overall shield Meshwork from tinned copper wire braid, optical covering ≥ 85 %

Outer jacket Full polyurethane jacket, matt, adhesion-free surface

Jacket colour grey RAL 7001

General

Note CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC

Logo













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