

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

Identification	Type	(6×2×0.25)
	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

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SYSTEMATIC TECHNOLOGY

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Properties	<ul style="list-style-type: none"> • 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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Technical data

UL approval	AWM 20233	
Rated voltage	300 V	
Nominal voltage	300 V 80 °C	
Test voltage	3000 V	
Insulation resistance	min. 100 MΩ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °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	
Outer-∅	8.1 approx. mm	
Outer ∅	0.319 ca. mm / in	
Weight	13.1 kg/100 m	
Weight	84.4 Lbs/Mft	
Cu-Index	4.7 kg/100 m	
	32 Lbs/Mft	

Design

Number of strands/cross-section	(6×2×0.25)
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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