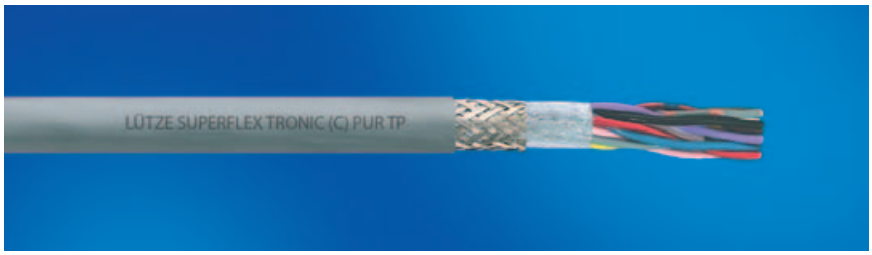
Technical data sheet · LÜTZE SUPERFLEX® TRONIC (C)PUR TP



PUR C-track cable · For the highest requirements

Identification	Type	(6×2×0.25)
	Part-No.	117177

Use/Area of application	
Application	• Robots, energy carrying tracks 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 control, measurement and regulation cable for continuous bending loads with the highest service life requirements
Properties	• Halogen-free, no corrosive gases • High active and passive interference resistance • High crosstalk attenuation through paired stranding • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant • Hydrolisis-resistant, microbe-resistant, and rot-resistant • Good industrial- and salt water resistance • Excellent coolant and lubricant resistance • Widely resistant to oils, greases, alcohol-free benzines and kerosene • Free from paint wetting disruptive substances (LABS-free) • RoHS-compliant

Technical data	
UL approval	300 V 80 °C

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Systematic Technology

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Rated voltage	300 V	
Test voltage	3000 V	
Insulation resistance	min. 20 MΩ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	Cable diameter × 12
	fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to UL VW-1; DIN EN 50265-2-1	
Oil resistant	according to UL 4d100C and DIN EN 60811-2-1	
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1; EN 60684-2	
Number of strands/cross-section	(6×2×0,25)	
Outer-∅	8.1 approx. mm	
Weight	13.1 kg/100 m	
Cu-Index	4.7 kg/100 m	

Design

Conductor structure	Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special-TPE conductor insulation
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 to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively

Logo

c UL us

halogenfree

low capacity

24.11.2007 – Subject to technical modification

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