

# PVC electronic cables - C-track compatible - Shielded

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



### 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 damp 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

### Properties

- High active and passive interference resistance (EMC)
- Braided shield optimised for continuous flexing applications
- 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
- Good ruggedness and salt water resistance
- Excellent coolant and lubricant resistance
- Resistant to most oils, greases, alcohol-free benzines and kerosene
- Silicone free
- RoHS-compliant

### Technical data

UL approval	AWM 20549
Nominal voltage	300 V 80 °C
Test voltage	3000 V
Insulation resistance	min. 1000 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
Burning behavior	Flame-retardant according to DIN EN 60332-2-2, UL Horizontal Flame Test
Halogen free	according to EN 50267-2-1

### Construction

- Bare copper wire, super finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6
- Conductor insulation Special-TPE
- Conductors color-coded according to DIN 47100
- Conductors cabled in layers without mechanical stress, layer pitch optimised
- Fleece wrap over cable core
- Braid from tinned copper wire, optical coverage ≥ 85 %
- Jacket special-PUR, matte, adhesion-free surface
- Jacket color grey RAL 7001

Part-No.	Number of conductors/cross-section	Outer Ø ca. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>0.14 mm<sup>2</sup></b>				
117090	(2×0.14)	4.0	2.0	1.0
117091	(3×0.14)	4.2	2.3	1.2
117092	(4×0.14)	4.5	2.6	1.4
117093	(5×0.14)	4.8	3.0	1.7
117094	(7×0.14)	5.5	3.9	2.1
117095	(10×0.14)	6.2	4.8	2.8
117096	(12×0.14)	6.3	5.3	3.1
117097	(18×0.14)	7.2	7.1	4.2
117098	(25×0.14)	8.5	9.4	5.6
<b>0.25 mm<sup>2</sup></b>				
117099	(2×0.25)	4.3	2.4	1.3
117100	(3×0.25)	4.5	2.8	1.6
117101	(4×0.25)	4.8	3.3	1.9
117102	(5×0.25)	5.1	3.7	2.3
117103	(7×0.25)	5.8	4.8	3.0
117104	(10×0.25)	6.7	6.1	4.0
117105	(12×0.25)	6.8	6.8	5.3
117106	(18×0.25)	7.8	9.4	6.3
117107	(25×0.25)	9.4	13.2	9.5
<b>0.34 mm<sup>2</sup></b>				
117108	(2×0.34)	4.5	2.6	1.5
117109	(3×0.34)	4.7	2.1	1.9
117110	(4×0.34)	5.0	3.7	2.3
117111	(5×0.34)	5.4	4.3	2.8
117112	(7×0.34)	6.2	5.7	3.7
117113	(10×0.34)	7.1	7.2	5.0
117114	(12×0.34)	7.3	8.0	5.6
117115	(18×0.34)	8.4	11.2	8.0
117116	(25×0.34)	10.0	15.8	11.5

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