

# PUR C-track cable · For the highest requirements

## LÜTZE SUPERFLEX® PUR 0.6/1kV LÜTZE SUPERFLEX® (C)PUR 0.6/1kV



halogenfree

### Application

- Performance cable, specifically for machine and device construction for transport and conveyor technology
- As motor supply or ground conductor
- Through full PUR jacket and TPE cable insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

### Properties

- Flame-retardant, self-extinguishing
- Halogen-free, no corrosive gases
- Very good alternating bending strength
- Good pressure and roll-over resistance
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good industrial- and salt water resistance
- Coolant and lubricant resistant
- Widely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting disruptive substances (LABS-free)
- RoHS-compliant

### Technical data

Voltage	
U <sub>0</sub> /U	0,6/1kV
Test voltage	
	4000 V
Isolation 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 × 7.5
fixed	Cable diameter × 4
Radiation-resistance	
	5×10 <sup>7</sup> cJ/kg
Burning behaviour	
	Flame-retardant according to VDE 0482 T 265-2-1; IEC 60332-1
Halogen-free	
	according to VDE 0472 T. 815

### Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special-TPE conductor insulation
- Meshwork shielding (optional) from galvanised Cu wire, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour black RAL 9005; green/yellow upon request

Part-No.	Number of strands/cross-section/ strand colours	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>without shield</b>				
111135	1×4	6.5	6.5	3.8
111136	1×6	8.8	7.5	5.8
111126	1×10	9.4	15.4	9.6
111127	1×16	10.6	21.0	15.4
111128	1×25	12.6	27.0	24.0
111129	1×35	13.9	37.0	33.6
111130	1×50	16.0	56.0	48.0
111131	1×70	18.8	79.0	67.2
111132	1×95	21.7	105.0	91.2
111133	1×120	24.0	131.0	115.2
<b>with CU shield</b>				
111287	(1×4)	7.2	10.1	6.5
111288	(1×6)	8.2	14.1	9.1
111289	(1×10)	9.5	18.1	12.9
111290	(1×16)	11.0	24.9	19.8
111291	(1×25)	13.5	32.3	29.3
111292	(1×35)	15.1	45.1	41.6
111293	(1×50)	17.1	65.1	56.9
111294	(1×70)	20.1	89.3	77.5
111295	(1×95)	22.6	117.6	103.8
111296	(1×120)	25.6	145.1	129.2

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively