

PUR C-track cable · For the highest requirements

LÜTZE-SUPERFLEX® PLUS N PUR Motor/Power supply cable 0.6/1kV



halogenfree

HGI insulation,
low capacity



Application

- Motor connection cable, specifically for machine and device construction, transport and conveyor technology
- Through full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- 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
- Excellent coolant and lubricant resistance
- Widely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

UL approval	1000 V 80 °C
Voltage	
VDE U ₀ /U	0,6/1kV
UL	1000 V
Test voltage	4000 V
Isolation resistance	min. 100 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 ⁷ cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2-1; IEC 60332-1, UL VW-1; CSA FT 1
Halogen-free	according to DIN EN 202641-1, EN 50267-2-1, EN 60684-2

Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6 or IEC 60228 cl. 6
- Special TPE/HGI conductor insulation, UL qualified
- Conductors black with white imprint
- Ground conductor green/yellow according to DIN EN 50334
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour black RAL 9005

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
111370	4×1,5	7.7	12.1	5.8
111371	4×2,5	9.3	14.3	9.6
111372	4×4	10.8	23.3	15.4
111373	4×6	12.9	32.8	23.1
111374	4×10	15.5	52.5	38.4
111375	4×16	18.8	99.0	61.4
111376	4×25	23.7	120.0	96.0
111377	4×35	26.6	185.0	134.4
111378	4×50	31.8	245.0	192.0

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