

# 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, special for frequency converters and SERVO drives
- Through full PUR jacket and TPE / HGI cable insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- For travel paths over 40 m, we recommend conductors with inside jacket

### Properties

- High active and passive interference resistance (EMC)
- Braided shield optimised for continuous flexible use
- 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 acid 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	
U <sub>0</sub> /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 × 10
fixed	Cable diameter × 6
Radiation-resistance	5×10 <sup>7</sup> cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 T 265; 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, multi-strand according to DIN VDE 0295 or IEC 60228
- Special TPE/HGI conductor insulation, UL qualified
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Inside jacket TPE (optional)
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour orange RAL 2003; petrol RAL 5018 upon request

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>Design without inside jacket</b>				
111460	(4×1,5)	8.0	11.7	7.7
111461	(4×2,5)	9.6	17.3	12.0
111462	(4×4)	11.1	24.5	18.8
111463	(4×6)	13.4	36.5	29.0
111464	(4×10)	16.7	54.9	45.2
111465	(4×16)	19.7	84.9	65.5
111466	(4×25)	25.4	129.9	109.5
111467	(4×35)	28.3	169.2	147.7
111468	(4×50)	32.9	244.2	209.9
<b>Design with inside jacket</b>				
111480	(4×1,5)	10.1	16.0	8.3
111481	(4×2,5)	11.7	22.1	12.6
111482	(4×4)	13.3	32.1	20.2
111483	(4×6)	15.3	41.2	27.0
111484	(4×10)	17.9	62.8	45.5
111485	(4×16)	21.7	97.8	71.5
111486	(4×25)	26.3	144.5	109.3
111487	(4×35)	31.0	200.4	149.8

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