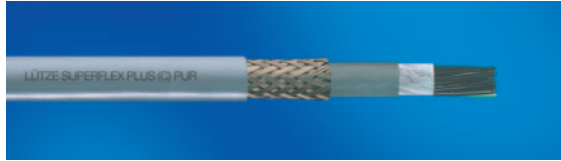


# PUR C-track cable · For the highest requirements

## LÜTZE SUPERFLEX® PLUS N (C)PUR



halogenfree



### Application

- Machine and device construction, transport and conveyor technology
- Through full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Especially for industrial environments with high interference potential, in machines, plant and device construction

### Properties

- High active and passive interference resistance
- 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 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	300 V 80 °C (0.5 – 1.0 mm <sup>2</sup> ) 600 V 80 °C (starting with 1.5 mm <sup>2</sup> )
Voltage	
U <sub>0</sub> /U	300/500 V
UL	300 V (0.5 – 1.0 mm <sup>2</sup> ) 600 V (ab 1.5 mm <sup>2</sup> )
Test voltage	
3000 V	0.5 mm – 1.0 mm <sup>2</sup>
6000 V	from 1.5 mm <sup>2</sup>
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 265-2-1; UL 1581 section VW-1 Flame-Test; CSA FT 1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and EN 60684-2

### Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special TPE conductor insulation, UL qualified
- Conductors black with white number print
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over the stranded cable
- Inside jacket TPE
- Tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>0.5 mm<sup>2</sup></b>				
113300	(3×0,5)	6.3	6.1	3.3
113347	(4×0,5)	6.9	6.9	4.0
113301	(5×0,5)	7.3	7.9	4.6
113302	(7×0,5)	8.2	9.8	5.9
113303	(12×0,5)	9.7	13.6	8.9
113304	(18×0,5)	11.0	19.2	13.5
113305	(25×0,5)	11.7	24.9	17.8
<b>0.75 mm<sup>2</sup></b>				
113328	(2×0,75) OZ	6.7	7.1	3.6
113306	(3×0,75)	7.0	8.1	4.5
113430	(3×0,75) OZ	7.0	8.1	4.5
113325	(4×0,75)	7.6	9.4	5.4
113345	(4×0,75) OZ	7.6	9.4	5.4
113307	(5×0,75)	8.1	10.7	6.3
113308	(7×0,75)	9.1	13.5	8.3
113309	(12×0,75)	10.4	18.7	13.9
113310	(18×0,75)	12.2	27.5	19.1
113311	(25×0,75)	14.2	36.0	25.4
<b>1.0 mm<sup>2</sup></b>				
113312	(3×1,0)	7.8	9.1	5.3
113324	(4×1,0)	8.3	10.6	6.5
113313	(5×1,0)	8.9	12.2	7.8
113314	(7×1,0)	10.1	15.6	10.2
113315	(12×1,0)	11.5	24.0	17.2
113316	(18×1,0)	13.1	32.4	24.4
113317	(25×1,0)	15.8	44.0	33.4
<b>1.5 mm<sup>2</sup></b>				
113318	(3×1,5)	9.5	12.0	7.3
113331	(4×1,5)	10.5	14.1	9.0
113319	(5×1,5)	11.3	17.6	12.0
113320	(7×1,5)	12.3	24.3	15.7
113321	(12×1,5)	14.3	35.0	24.2
113322	(18×1,5)	16.5	48.6	35.4
113323	(25×1,5)	19.4	67.6	51.2
<b>2.5 mm<sup>2</sup></b>				
113341	(3×2,5)	10.1	18.6	12.0
113332	(4×2,5)	11.7	23.9	14.9
113339	(5×2,5)	12.6	27.8	17.9
113340	(7×2,5)	14.4	36.0	23.8
113344	(12×2,5)	17.1	54.4	38.8
113342	(18×2,5)	19.9	78.6	59.4

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