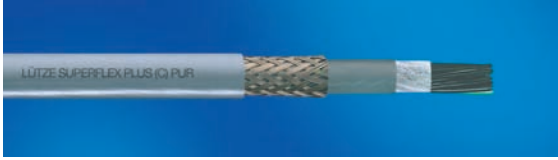


# PUR c-track cables · For highest requirements

## LÜTZE SUPERFLEX<sup>®</sup> PLUS N (C)PUR UL 300 V



### 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
- 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-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

UL approval	300 V 80 °C
Voltage	
U <sub>G</sub> /U	300/500 V
Test voltage	3000 V
Insulation 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>8</sup> cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2; DIN EN 50265-2; IEC 60332-1; 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

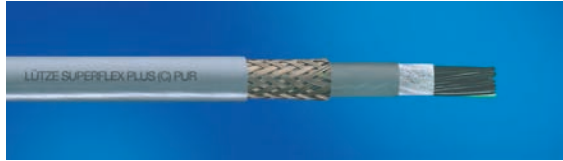
- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special TPE/HGI conductor insulation, UL certified
- Conductors black with white number print
- Ground conductor
- G = with greenyellow ground conductor; × = without ground conductor
- Conductors twisted without 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	(3G0.5)	6.6	5.6	2.7
113347	(4G0.5)	7.0	6.4	3.3
113301	(5G0.5)	7.5	7.3	3.9
113302	(7G0.5)	8.3	9.1	5.1
113303	(12G0.5)	9.7	12.8	7.9
113304	(18G0.5)	11.0	17.9	11.9
113305	(25G0.5)	12.0	23.4	15.9
<b>0.75 mm<sup>2</sup></b>				
113328	(2×0.75)	6.9	6.3	2.8
113306	(3G0.75)	7.5	7.2	3.6
113430	(3×0.75)	7.5	7.2	3.6
113325	(4G0.75)	7.8	8.4	4.5
113345	(4×0.75)	7.8	8.4	4.5
113307	(5G0.75)	8.3	9.7	5.3
113308	(7G0.75)	9.4	12.4	7.1
113309	(12G0.75)	11.3	18.8	12.0
113310	(18G0.75)	13.0	25.4	16.9
113311	(25G0.75)	14.9	33.4	22.8
<b>1.0 mm<sup>2</sup></b>				
113312	(3G1.0)	7.8	8.4	4.5
113324	(4G1.0)	8.3	9.9	5.6
113313	(5G1.0)	9.1	11.4	6.8
113314	(7G1.0)	10.2	14.7	9.1
113315	(12G1.0)	12.1	22.5	15.4
113316	(18G1.0)	14.0	30.6	22.0
113317	(25G1.0)	15.8	41.5	30.5

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

# PUR c-track cables · For highest requirements

## LÜTZE SUPERFLEX® PLUS N (C)PUR UL 600 V



### 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
- 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-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

UL approval	600 V 80 °C
Voltage	
U <sub>0</sub> /U	300/500 V
Test voltage	6000 V
Insulation 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>8</sup> cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2; DIN EN 50265-2; IEC 60332-1 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/HGI conductor insulation, UL certified
- Conductors black with white number print
- Ground conductor
- G = with greenyellow ground conductor; × = without ground conductor
- 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-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>0.5 mm<sup>2</sup></b>				
113350	(3G0.5)	7.9	7.6	2.9
113351	(4G0.5)	8.3	8.7	3.5
113352	(5G0.5)	8.9	9.9	4.2
113353	(7G0.5)	9.9	12.2	5.5
113354	(12G0.5)	11.6	17.8	9.2
113355	(18G0.5)	13.2	23.3	12.7
113356	(25G0.5)	15.2	30.1	16.9
<b>1.0 mm<sup>2</sup></b>				
113360	(3G1.0)	8.7	10.3	4.7
113361	(4G1.0)	9.3	11.9	5.8
113362	(5G1.0)	9.9	13.7	7.0
113363	(7G1.0)	11.4	18.3	10.1
113364	(12G1.0)	13.3	26.1	15.8
113365	(18G1.0)	15.1	35.0	22.4
113366	(25G1.0)	17.9	49.0	33.2
<b>1.5 mm<sup>2</sup></b>				
113318	(3G1.5)	9.7	12.5	6.3
113331	(4G1.5)	10.5	14.7	8.7
113319	(5G1.5)	11.3	17.8	10.4
113320	(7G1.5)	12.9	22.7	13.8
113321	(12G1.5)	15.1	33.1	22.0
113322	(18G1.5)	17.2	45.9	32.4
113323	(25G1.5)	19.7	63.2	46.3
<b>2.5 mm<sup>2</sup></b>				
113341	(3G2.5)	10.6	16.8	9.5
113332	(4G2.5)	11.9	21.1	12.9
113339	(5G2.5)	12.6	24.5	15.7
113340	(7G2.5)	14.8	31.8	21.2
113344	(12G2.5)	16.7	48.4	35.2
113342	(18G2.5)	19.4	69.3	53.2

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