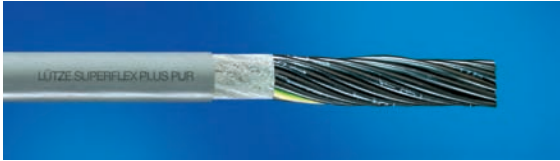


PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® PLUS N 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, in machines, plant and device construction

Properties

- 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
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

UL approval	300 V 80 °C
Voltage	
U ₀ /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 × 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; DIN EN 50265-2-1; 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

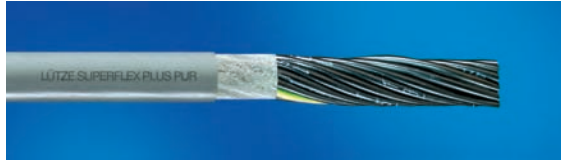
- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special TPE/HGI conductor insulation, UL certified
- Conductors black with white number print according to DIN EN 50334
- Ground conductor
G = with greenyellow ground conductor; × = without ground conductor
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over the stranded cable
- 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
0.5 mm²				
113431	2×0.5 OZ	4.8	2.9	1.0
113441	3G0.5	4.9	3.5	1.5
113442	4G0.5	5.2	4.1	2.0
113443	5G0.5	5.6	4.8	2.4
113444	7G0.5	6.6	6.4	3.4
113446	12G0.5	8.0	9.6	5.9
113438	18G0.5	9.8	13.5	8.8
113447	25G0.5	10.8	18.2	12.2
0.75 mm²				
113432	2×0.75 OZ	5.5	4.0	1.5
113445	3G0.75	5.6	4.9	2.2
113439	3×0.75 OZ	5.6	4.9	2.2
113435	4G0.75	6.1	5.9	2.9
113422	5G0.75	6.7	6.9	3.4
113437	7G0.75	7.8	9.2	5.1
113425	12G0.75	9.1	14.2	8.8
113428	18G0.75	11.0	20.0	13.2
113448	25G0.75	12.5	27.2	18.3
1.0 mm²				
113484	7×1.5 OZ	5.8	4.8	2.0
113400	3G1.0	6.1	5.8	3.0
113433	4G1.0	6.6	7.1	4.0
113401	5G1.0	7.2	8.5	5.0
113402	7G1.0	8.7	11.3	6.9
113403	12G1.0	10.1	17.5	11.9
113404	18G1.0	11.9	24.9	17.8
113405	25G1.0	14.1	33.9	24.8

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

PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® PLUS N 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, in machines, plant and device construction

Properties

- 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
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

UL approval	600 V 80 °C
Voltage	
U ₀ /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 × 7.5
fixed	Cable diameter × 4
Radiation-resistance	5×10 ⁸ 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 according to DIN EN 50334
- 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
- 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
0.5 mm²				
113560	2×0.5	6.1	4.3	1.0
113561	3G0.5	6.5	4.9	1.5
113562	4G0.5	6.9	5.8	2.0
113563	5G0.5	7.4	6.6	2.5
113564	7G0.5	8.5	8.6	3.4
113565	12G0.5	10.0	12.6	5.9
113566	18G0.5	11.6	17.3	8.8
113567	25G0.5	13.7	23.2	12.3
1.0 mm²				
113570	2×1.0	7.0	6.0	2.0
113571	3G1.0	7.4	7.1	3.0
113572	4G1.0	7.9	8.5	4.0
113573	5G1.0	8.5	10.1	5.0
113574	7G1.0	9.9	13.2	6.9
113575	12G1.0	11.9	20.1	11.9
113576	18G1.0	13.6	28.1	17.8
113577	25G1.0	16.3	37.9	24.8
1.5 mm²				
113485	2×1.5	7.2	7.7	2.9
113406	3G1.5	8.0	9.3	4.4
113412	4G1.5	8.7	11.3	5.9
113407	5G1.5	9.5	13.3	7.4
113408	7G1.5	11.1	17.5	10.3
113409	12G1.5	13.2	26.9	17.6
113410	18G1.5	15.0	38.0	26.5
113411	25G1.5	18.4	51.5	36.9
2.5 mm²				
113483	3G2.5	9.2	13.3	7.3
113415	4G2.5	9.9	16.2	9.8
113416	5G2.5	10.9	19.3	12.2
113417	7G2.5	12.6	25.9	17.0
113426	12G2.5	15.1	40.4	28.6
113479	18G2.5	17.6	57.7	43.8

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