

PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® N PUR



Application

- Machine and device construction, transport and conveyor technology
- Through full PUR jacket suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines, plant and device construction

Properties

- Extreme space-saving design
- Low capacitance, very good electrical properties
- Halogen-free, no corrosive gases
- Very good alternating bending strength
- 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
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

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 × 10
fixed	Cable diameter × 4
Halogen-free	
	according to DIN EN 50264-1; EN 50267-2-1; 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
- 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 stranded cable
- 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
0.5 mm²				
111249	3G0.5	4.6	2.5	1.5
110956	4G0.5	4.9	3.1	2.0
111177	5G0.5	5.3	3.7	2.5
111178	7G0.5	6.2	5.0	3.4
111179	12G0.5	7.3	7.9	5.9
118473	18G0.5	9.0	12.0	8.8
108150	25G0.5	10.2	15.5	12.3
0.75 mm²				
110995	2×0.75	5.0	3.0	1.5
110996	3G0.75	5.1	3.7	2.2
118085	4G0.75	5.7	5.0	2.9
111180	5G0.75	6.2	5.5	3.7
111181	7G0.75	7.2	7.5	5.1
118457	12G0.75	8.7	11.9	8.8
111182	18G0.75	10.8	18.6	13.2
111183	25G0.75	12.8	25.3	18.3
1.0 mm²				
110636	2×1.0	5.3	3.6	2.0
110997	3G1.0	5.4	4.5	3.0
110998	4G1.0	6.1	5.7	4.0
110999	5G1.0	6.7	6.8	5.0
111000	7G1.0	7.7	9.3	6.9
101013	12G1.0	9.2	15.7	11.9
111002	18G1.0	11.4	23.2	17.8
111003	25G1.0	13.3	31.7	24.8
1.5 mm²				
111004	3G1.5	6.5	7.0	4.4
111005	4G1.5	7.1	8.1	5.9
111006	5G1.5	7.8	10.4	7.4
111007	7G1.5	9.2	13.4	10.3
111008	12G1.5	10.9	23.3	17.6
111009	18G1.5	13.5	33.4	26.5
111010	25G1.5	15.9	45.7	36.8
2.5 mm²				
111234	3G2.5	7.6	10.2	7.3
111011	4G2.5	8.5	12.8	9.7
111235	5G2.5	9.2	15.6	12.2
111012	7G2.5	12.2	22.9	17.0
111184	12G2.5	13.6	36.7	29.2
111185	18G2.5	16.5	53.0	43.8
108251	25G2.5	19.5	75.5	60.9
4 mm²				
118489	7G4	14.4	50.8	26.9

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