

PUR C-track cable · For the highest requirements

LÜTZE SUPERFLEX® N PUR



halogenfree

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
- Special for industrial environments, machines and plants

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
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 × 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 conductor insulation
- Conductors black with white number print according to DIN EN 50334
- 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 stranded cable
- 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				
111249	3×0,5	4.4	2.5	1.5
110956	4×0,5	4.8	3.1	2.0
111177	5×0,5	5.2	3.7	2.5
111178	7×0,5	6.0	5.0	3.4
111179	12×0,5	7.2	7.9	5.9
118473	18×0,5	8.6	13.4	8.8
108150	25×0,5	10.2	15.5	12.3
0.75 mm²				
110995	2×0,75 OZ	4.7	3.0	1.5
110996	3×0,75	5.0	3.7	2.2
118085	4×0,75	5.7	4.6	2.9
111180	5×0,75	6.2	5.5	3.7
111181	7×0,75	7.2	7.5	5.1
118457	12×0,75	8.7	11.9	8.8
111182	18×0,75	10.8	18.6	13.2
111183	25×0,75	12.8	25.3	18.3
1.0 mm²				
110636	2×1,0 OZ	5.3	3.6	2.0
110997	3×1,0	5.7	4.5	3.0
110998	4×1,0	6.1	5.7	4.0
110999	5×1,0	6.7	6.8	5.0
111000	7×1,0	7.3	9.3	6.9
101013	12×1,0	9.3	15.0	11.9
111002	18×1,0	11.4	23.2	17.8
111003	25×1,0	14.1	31.7	24.8
1.5 mm²				
111004	3×1,5	6.5	6.5	4.4
111005	4×1,5	7.1	8.1	5.9
111006	5×1,5	7.8	8.8	7.4
111007	7×1,5	9.2	13.4	10.3
111008	12×1,5	11.4	23.3	17.6
111009	18×1,5	13.3	33.4	26.5
111010	25×1,5	15.9	45.7	36.8
2.5 mm²				
111234	3×2,5	7.6	10.2	7.3
111011	4×2,5	8.2	12.8	9.7
111235	5×2,5	9.2	15.6	12.2
111012	7×2,5	11.3	22.9	17.0
111184	12×2,5	13.6	36.7	29.2
111185	18×2,5	16.0	53.0	43.8
108251	25×2,5	19.2	75.5	60.9
4 mm²				
118054	4×4	11.8	32.5	15.3
118489	7×4	16.0	50.8	26.9

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