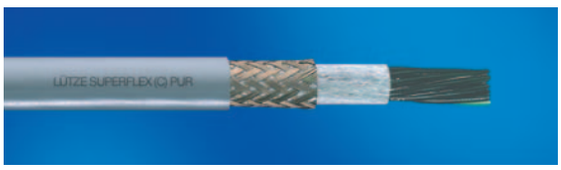
PUR C-track cable · For the highest requirements

LÜTZE SUPERFLEX® N (C) PUR



low capacity

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 with interference potential, in machines, plant and device construction

Properties
- Extreme space-saving design
- Low capacitance, very good electrical properties
- High active and passive interference resistance
- Braided shield optimised for continuous flexible use
- Halogen-free, no corrosive gases
- Very good alternating bending strength
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolisis-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 × 12
fixed	Cable diameter × 6
Halogen-free	according to DIN EN 20264 / EN 50267 / 60684

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
- Meshwork shielding from galvanised Cu wire, 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
0.5 mm²				
118800	(2×0,5) OZ	4.8	3.4	2.4
118801	(3×0,5)	5.0	4.0	3.0
118802	(4×0,5)	5.5	4.7	3.6
118803	(4×0,5) OZ	5.5	4.7	3.6
118804	(5×0,5)	5.9	5.4	4.3
118805	(7×0,5)	6.8	7.0	5.6
118806	(12×0,5)	7.9	10.3	8.5
118807	(18×0,5)	9.1	14.2	11.9
118808	(25×0,5)	11.2	21.6	17.3
0.75 mm²				
118810	(2×0,75) OZ	5.6	4.7	3.3
118811	(3×0,75)	5.9	5.5	4.1
118812	(4×0,75)	6.0	6.6	5.0
118813	(5×0,75)	6.5	7.7	6.0
118814	(7×0,75)	7.8	10.0	7.9
118815	(12×0,75)	9.1	14.9	12.2
118816	(18×0,75)	10.7	23.6	18.6
118817	(25×0,75)	12.8	31.2	24.8
1.0 mm²				
118820	(2×1,0) OZ	6.0	5.3	3.9
118821	(3×1,0)	6.3	6.4	5.0
118822	(4×1,0)	6.8	7.7	6.2
118823	(5×1,0)	7.3	9.1	7.4
118824	(7×1,0)	8.5	11.9	9.8
118825	(12×1,0)	10.2	19.3	16.7
118826	(18×1,0)	12.2	28.5	23.5
118827	(25×1,0)	14.4	37.9	31.6
1.5 mm²				
118830	(2×1,5) OZ	6.8	7.0	5.2
118831	(3×1,5)	7.1	8.6	6.8
118832	(4×1,5)	7.6	10.4	8.5
118833	(5×1,5)	8.4	12.4	10.2
118834	(7×1,5)	10.2	17.5	15.0
118835	(12×1,5)	12.3	28.8	23.4
118836	(18×1,5)	14.5	39.6	33.3
118837	(25×1,5)	17.2	57.5	48.7
2.5 mm²				
118840	(2×2,5) OZ	7.6	10.1	7.6
118841	(3×2,5)	8.0	12.6	10.3
118842	(4×2,5)	8.8	15.5	13.0
118843	(5×2,5)	9.8	19.8	17.1
118844	(7×2,5)	12.0	28.0	22.9
118845	(12×2,5)	14.9	44.1	37.6
118846	(18×2,5)	17.0	65.1	57.3
118847	(25×2,5)	20.5	90.1	77.2
4 – 16 mm²				
118850	(4×4)	12.8	25.1	20.7
118851	(7×4)	16.8	40.1	34.1

CE These products are in conformity to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively