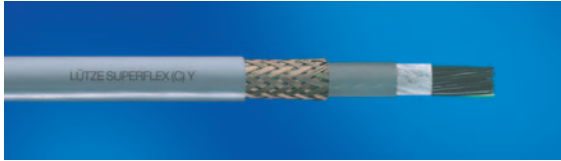


PVC C-track cable

LÜTZE SUPERFLEX® N (C)Y



Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and control cable for continuous moving and medium operating conditions
- In energy command chains and everywhere where signals are transmitted to continuously moving system or machine
- Especially for industrial environment with high interference potential, in machine, plant and device construction

Properties

- Through construction and material suitable for continuous movement application.
- PVC Flame-retardant, self-extinguishing
- Widely resistant to oils, greases, acids and bases (see tech. information)
- 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. 20 MΩ × km
Temperature range	
moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Jacket material	Thermal pressure resistance according to DIN VDE 60881 up to 80 °C
Cold flexibility	to -25 °C
Radiation-resistance	8×10 ⁷ cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 section 265-2-2 / DIN EN 50265-2-2

Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
- Special PVC conductor insulation T12 according to VDE 0281 or HD 21.1
- 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
- Inside jacket PVC
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Non-woven material over stranded cable
- Jacket special PVC TM3 according to VDE 0281 or HD21.1
- 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				
110446	(2×0,5) OZ	6.6	7.8	2.6
110774	(3×0,5) OZ	6.8	6.8	3.8
110423	(4×0,5) OZ	7.2	9.1	4.8
118039	(5×0,5)	7.8	11.0	6.1
110775	(7×0,5) OZ	9.0	16.0	8.4
110447	(12×0,5) OZ	9.8	22.5	12.0
110591	(18×0,5) OZ	11.2	30.0	16.1
110776	(25×0,5) OZ	13.0	40.0	20.8
0.75 mm²				
110489	(2×0,75) OZ	7.1	7.3	3.9
110441	(3×0,75) OZ	7.3	8.2	5.0
110566	(4×0,75) OZ	7.6	9.5	6.2
111245	(5×0,75) OZ	8.1	10.8	7.8
108001	(7×0,75)	9.0	13.1	10.7
110491	(12×0,75) OZ	10.8	20.3	16.2
108002	(18×0,75)	12.5	27.2	22.0
110486	(25×0,75) OZ	14.5	35.6	27.6
1.0 mm²				
111246	(2×1,0) OZ	7.2	8.3	5.8
111215	(3×1,0)	8.0	9.5	7.5
110567	(4×1,0) OZ	8.5	11.0	8.6
118042	(5×1,0)	9.0	12.6	10.2
118239	(7×1,0) OZ	10.5	15.4	12.7
111001	(12×1,0)	12.0	24.1	19.4
111247	(18×1,0)	13.5	32.6	26.5
111248	(25×1,0)	16.6	43.8	35.2
1.5 mm²				
110947	(2×1,5) OZ	8.4	15.0	7.4
110954	(3×1,5) OZ	8.6	17.6	9.5
110499	(4×1,5)	9.5	20.7	11.6
118194	(5×1,5)	10.0	24.4	13.0
111303	(7×1,5)	11.5	29.2	16.8
111304	(12×1,5)	14.0	43.5	25.5
111305	(18×1,5)	16.5	66.9	35.8
111306	(25×1,5)	19.5	46.5	48.3
2.5 – 10 mm²				
110608	(3×2,5)	10.1	25.4	13.1
108003	(4×2,5)	11.0	30.2	15.8
110701	(5×2,5)	12.0	35.2	18.9
111329	(7× 2,5)	13.5	37.7	24.5
118111	(4×4)	13.8	40.0	21.2
118112	(4×6)	16.2	50.0	31.6
110970	(4×10)	22.5	62.5	49.8

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