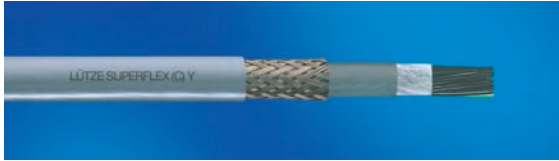


# PVC c-track cables

## 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.
- High active and passive interference resistance
- PVC Flame-retardant, self-extinguishing
- Largely resistant to oils, greases, acids and bases (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

Voltage	
U <sub>0</sub> /U	300/500 V
Test voltage	3000 V
Insulation 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 to -25 °C
Cold flexibility	
Radiation-resistance	8×10 <sup>7</sup> cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2 DIN EN 50265-2 IEC 60332-1

### Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
- Special PVC conductor insulation TI2 according to VDE 0281 or HD 21.1
- 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
- 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
<b>0.5 mm<sup>2</sup></b>				
110446	(2×0.5)	6.6	6.1	2.2
110774	(3×0.5)	6.8	6.8	2.8
101288	(3G0.5)	6.8	6.8	2.8
110423	(4×0.5)	7.1	7.7	3.4
108800	(4G0.5)	7.1	7.7	3.4
118039	(5G0.5)	7.5	8.7	4.0
110775	(7×0.5)	8.7	10.3	5.1
108801	(7G0.5)	8.7	10.3	5.1
110447	(12×0.5)	10.0	15.0	8.0
108802	(12G0.5)	10.0	15.0	8.0
110591	(18×0.5)	10.9	20.6	12.1
110776	(25×0.5)	12.6	26.8	16.2
<b>0.75 mm<sup>2</sup></b>				
110489	(2×0.75)	7.0	7.3	2.8
110441	(3×0.75)	7.2	8.2	3.6
108803	(3G0.75)	7.2	8.2	3.6
110566	(4×0.75)	7.5	9.5	4.5
108000	(4G0.75)	7.2	8.2	3.6
111245	(5G0.75)	8.1	10.8	5.4
108001	(7G0.75)	8.6	13.1	7.0
110491	(12×0.75)	10.7	20.3	12.0
110563	(12G0.75)	8.6	13.1	7.0
108002	(18G0.75)	12.1	27.2	16.9
110564	(25G0.75)	14.0	35.6	22.7
<b>1.0 mm<sup>2</sup></b>				
111246	(2×1.0)	7.3	8.3	3.5
111215	(3G1.0)	7.6	9.4	4.5
110567	(4G1.0)	8.1	11.0	5.7
118042	(5G1.0)	8.6	12.6	6.8
118239	(7G1.0)	9.2	15.4	8.9
111001	(12G1.0)	11.5	24.1	15.4
111247	(18G1.0)	13.0	32.6	21.9
111248	(25G1.0)	15.3	43.8	30.4
<b>1.5 mm<sup>2</sup></b>				
110947	(2×1.5)	8.1	11.4	4.8
110954	(3G1.5)	8.5	13.2	6.3
110499	(4G1.5)	9.0	14.6	8.0
118194	(5G1.5)	10.4	18.8	10.5
111303	(7G1.5)	11.2	23.2	13.7
111304	(12G1.5)	14.0	35.5	22.1
111305	(18G1.5)	16.0	49.4	32.5
111306	(25G1.5)	19.3	68.1	46.5
<b>2.5 – 10 mm<sup>2</sup></b>				
110608	(3G2.5)	10.0	18.6	10.3
108003	(4G2.5)	10.9	22.2	13.0
118111	(4G4)	13.8	40.0	21.2
118112	(4G6)	16.2	50.0	31.6
110701	(5G2.5)	11.0	25.9	15.8
111329	(7G2.5)	13.0	32.6	21.0

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