

# PVC control cables · unshielded

## LÜTZE-SILFLEX® N



### Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and regulation cable for medium operating conditions
- For flexible application without compulsory guide

### Properties

- PVC flame-retardant, self-extinguishing
- Widely resistant to oils, greases, acids and bases
- Free from paint wetting disruptive 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 +70 °C
fixed	-30 °C to +80 °C
Minimum bending radius	according to VDE 0298 table 6
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1
Special version	
K= cold resistant	-30 °C to +70 °C
T= heat resistant	0 °C to +90 °C

### Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC 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  
G = with green/yellow ground conductor; × = without ground conductor
- Conductors stranded layers
- Jacket special PVC TM2 according to HD21.1, 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
<b>0.5 mm<sup>2</sup></b>				
100363	2×0.5	5.0	3.5	1.0
100364	3G0.5	5.3	4.3	1.4
101311	3×0.5	5.3	4.3	1.4
100365	4G0.5	5.8	5.2	1.9
108208	4×0.5	5.8	5.2	1.9
100366	5G0.5	6.4	6.1	2.4
100375	5×0.5	6.4	6.1	2.4
100215	7G0.5	7.0	7.5	3.4
100368	8G0.5	7.6	8.4	3.8
100369	10G0.5	8.7	10.5	4.8
100370	12G0.5	9.2	12.2	5.8
100371	14G0.5	9.8	14.1	6.7
100372	16G0.5	10.2	16.1	7.7
100373	18G0.5	11.0	18.0	8.6
100374	21G0.5	11.8	20.8	10.1
100358	25G0.5	13.3	25.3	12.0
100378	30G0.5	14.0	29.5	14.4
100379	36G0.5	15.0	35.0	17.3
100380	40G0.5	16.0	38.6	19.2
100382	50G0.5	18.0	48.2	24.0
100383	65G0.5	19.7	60.8	31.2
<b>0.75 mm<sup>2</sup></b>				
100384	2×0.75	5.6	4.3	1.4
100385	3G0.75	5.8	5.6	2.2
100734	3×0.75	5.8	5.6	2.2
100386	4G0.75	6.6	6.8	2.9
100736	4×0.75	6.6	6.8	2.9
100387	5G0.75	6.9	8.0	3.6
100738	5×0.75	6.9	8.0	3.6
100389	7G0.75	7.5	9.8	5.0
100390	8G0.75	9.0	11.2	5.8
100391	10G0.75	9.6	14.0	7.2
100392	12G0.75	9.7	16.2	8.6
100388	14G0.75	10.8	18.8	10.1
100394	16G0.75	11.5	21.4	11.5
100395	18G0.75	12.0	24.1	13.0
101063	21G0.75	13.3	27.7	15.1
100398	25G0.75	14.0	33.8	18.0
100400	34G0.75	15.8	44.0	24.5
101312	41G0.75	18.0	54.8	29.5
100402	50G0.75	19.8	64.6	36.0
<b>1.0 mm<sup>2</sup></b>				
100405	2×1.0	5.9	5.0	1.9
100406	3G1.0	6.2	6.6	2.9
100746	3×1.0	6.2	6.6	2.9
100407	4G1.0	6.7	8.0	3.8
100737	4×1.0	6.7	8.0	3.8
100408	5G1.0	7.3	9.5	4.8
100739	5×1.0	7.3	9.5	4.8
100409	6G1.0	8.2	11.2	5.8
100410	7G1.0	8.2	11.9	6.7
100411	8G1.0	9.0	11.3	7.7
100412	10G1.0	9.7	17.1	9.6
100413	12G1.0	10.6	20.0	11.5
100414	14G1.0	11.5	23.0	13.4
100415	16G1.0	12.0	26.3	15.4
100416	18G1.0	12.9	29.5	17.3
100420	20G1.0	13.8	32.8	19.2
101085	21G1.0	14.0	34.1	20.2

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

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Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>1.0 mm<sup>2</sup></b>				
100417	25G1.0	15.3	41.5	24.0
100419	34G1.0	17.5	54.6	32.6
100169	42G1.0	19.0	68.6	40.3
100421	50G1.0	21.0	79.6	48.0
100426	65G1.0	23.8	100.9	62.4
<b>1.5 mm<sup>2</sup></b>				
100429	2×1.5	6.0	6.6	2.9
100430	3G1.5	7.0	8.6	4.3
100874	3×1.5	7.0	8.6	4.3
100431	4G1.5	7.4	10.7	5.8
100258	4×1.5	7.4	10.7	5.8
100432	5G1.5	8.3	12.7	7.2
100433	7G1.5	9.1	16.0	10.1
100434	8G1.5	9.8	18.4	11.5
100435	10G1.5	11.0	23.6	14.4
100437	12G1.5	11.7	27.6	17.3
100438	14G1.5	12.9	33.0	20.2
100440	18G1.5	14.7	40.8	25.9
100443	25G1.5	16.9	57.4	36.0
100447	50G1.5	23.9	110.6	72.0
<b>2.5 mm<sup>2</sup></b>				
118389	2×2.5	7.7	9.9	4.8
100453	3G2.5	8.3	13.3	7.2
100454	4G2.5	9.1	16.6	9.6
100455	5G2.5	10.2	19.8	12.0
100456	7G2.5	11.3	25.7	16.8
100458	12G2.5	14.7	45.0	28.8
100460	18G2.5	18.1	67.0	43.2
100461	25G2.5	20.8	94.0	60.0
<b>4 mm<sup>2</sup></b>				
100871	2×4	9.5	14.8	7.7
100990	3G4	10.2	21.1	11.6
100464	4G4	11.0	25.4	15.4
100465	5G4	12.3	30.9	19.2
100466	7G4	13.6	40.0	26.9
<b>6 mm<sup>2</sup></b>				
100467	3G6	11.9	28.3	17.3
100468	4G6	12.7	35.8	17.3
100469	5G6	14.2	43.8	28.8
100470	7G6	15.7	56.9	40.3
<b>10 mm<sup>2</sup></b>				
100479	3G10	15.5	49.5	28.8
100471	4G10	16.3	62.6	38.4
100475	5G10	18.2	76.5	48.0
100472	7G10	20.2	99.1	67.2
<b>16 mm<sup>2</sup></b>				
100473	4G16	20.1	95.0	61.4
100354	5G16	22.6	116.3	76.8
100474	7G16	25.0	151.2	107.5
<b>25 mm<sup>2</sup></b>				
100480	4G25	22.9	139.6	96.0
108205	5G5	27.6	171.2	120.0
<b>35 mm<sup>2</sup></b>				
100481	4G35	28.9	187.5	134.4
100484	5G35	31.6	230.2	168.0
<b>50 mm<sup>2</sup></b>				
108062	4G50	35.4	290.0	192.0

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