

# PVC control cables - unshielded

## LÜTZE SILFLEX® N PVC



### Application

- Machine and device construction, transport and conveyor technology, HVAC technology
- In dry and damp rooms
- As a monitoring, measurement and control cable for industrial applications
- For flexible application without continuous flexing

### Properties

- PVC Flame-retardant, self-extinguishing
- Resistant to most oils, greases, acids and alkalis
- Silicone 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	-15 °C to +70 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	D × 10
fixed	D × 4
Burning behavior	Flame-retardant according to VDE 0482 part 265-2, DIN EN 50265-2, IEC 60332-1

### Construction

- Bare copper wire, finely stranded according to DIN VDE 0295 class 5, IEC 60228 class 5
- Conductor insulation Special PVC TI2 according to VDE 0281-1
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer  
G = with green/yellow ground conductor, × = without ground conductor
- Conductors cabled in layers
- Jacket special PVC TM2 according to VDE 0281-1, matte, adhesion-free surface
- Jacket color grey RAL 7001

Part-No.	Number of conductors/cross-section	Outer Ø ca. 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	5.2	4.1	1.4
100365	4G0.5	5.6	5.0	1.9
108208	4×0.5	5.7	5.0	1.9
100366	5G0.5	6.3	6.2	2.4
100215	7G0.5	7.0	7.9	3.4
100369	10G0.5	8.5	11.3	4.8
100370	12G0.5	8.9	12.7	5.8
100373	18G0.5	10.9	19.0	8.6
100358	25G0.5	12.7	24.8	12.0
<b>0.75 mm<sup>2</sup></b>				
100384	2×0.75	5.6	4.3	1.4
100385	3G0.75	5.6	5.1	2.2
100386	4G0.75	6.3	6.5	2.9
100736	4×0.75	6.3	6.5	2.9
100387	5G0.75	6.9	8.0	3.6
100389	7G0.75	7.5	9.8	5.0
100391	10G0.75	9.2	14.3	7.2
100392	12G0.75	9.9	16.7	8.6
100395	18G0.75	11.7	23.8	13.0
100398	25G0.75	14.0	33.4	18.0
<b>1.0 mm<sup>2</sup></b>				
100405	2×1.0	5.9	5.0	1.9
100406	3G1.0	5.9	6.0	2.9
100407	4G1.0	6.7	7.7	3.8
100737	4×1.0	6.7	7.7	3.8
100408	5G1.0	7.3	9.4	4.8
100410	7G1.0	8.1	12.1	6.7
100411	8G1.0	8.8	13.7	7.7
100412	10G1.0	10.0	17.6	9.6
100413	12G1.0	10.5	20.0	11.5
100415	16G1.0	11.9	26.0	15.4
100416	18G1.0	12.8	29.7	17.3
100417	25G1.0	14.8	40.5	24.0
100419	34G1.0	17.2	54.6	32.6
<b>1.5 mm<sup>2</sup></b>				
100429	2×1.5	6.0	6.6	2.9
100430	3G1.5	6.8	8.1	4.3
100431	4G1.5	7.4	10.0	5.8
100432	5G1.5	8.3	12.5	7.2
100433	7G1.5	9.0	15.7	10.1
100437	12G1.5	11.7	26.4	17.3
100440	18G1.5	14.4	39.1	25.9
100443	25G1.5	16.9	54.4	36.0
<b>2.5 mm<sup>2</sup></b>				
118389	2×2.5	7.7	9.9	4.8
100453	3G2.5	8.3	12.6	7.2
100454	4G2.5	9.0	15.6	9.6
100455	5G2.5	10.1	19.6	12.0
100456	7G2.5	11.2	25.3	16.8
100458	12G2.5	14.6	42.3	28.8
<b>4 mm<sup>2</sup></b>				
100871	2×4	9.5	14.8	7.7
100990	3G4	9.8	18.8	11.5
100464	4G4	11.0	24.2	15.4
100465	5G4	12.1	29.5	19.2
<b>6 mm<sup>2</sup></b>				
100468	4G6	12.8	33.9	23.0
100469	5G6	14.3	42.3	28.8

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