

# PVC control cables · unshielded

## LÜTZE-SILFLEX® B



### 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 coloured according to DIN VDE 0293-308 (new)
  - 2-wire: brown, blue
  - 3-wire: greenyellow, brown, blue
  - 4-wire: greenyellow, brown, black, grey
  - 5-wire: greenyellow, blue, brown, black, grey
- 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-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>0.5 mm<sup>2</sup></b>				
100013	2×0.5	5.0	3.5	1.0
100001	3G0.5	5.3	4.0	1.4
110921	3×0.5	5.3	4.0	1.4
100002	4G0.5	5.8	5.2	1.9
100003	5G0.5	6.4	6.1	2.4
<b>0.75 mm<sup>2</sup></b>				
100024	2×0.75	5.6	4.3	1.4
100025	3G0.75	5.8	5.6	2.2
100012	3×0.75	5.8	5.6	2.2
100026	4G0.75	6.4	6.8	2.9
100027	5G0.75	6.9	8.0	3.6
<b>1.0 mm<sup>2</sup></b>				
100050	2×1.0	5.9	5.0	1.9
100051	3G1.0	6.2	6.6	2.9
100983	3×1.0	6.2	6.6	2.9
100052	4G1.0	6.7	8.0	3.8
100053	5G1.0	7.3	9.5	4.8
<b>1.5 mm<sup>2</sup></b>				
100078	2×1.5	6.0	6.6	2.9
100079	3G1.5	7.0	8.6	4.3
100080	4G1.5	7.4	10.7	5.8
100081	5G1.5	8.3	12.7	7.2
<b>2.5 mm<sup>2</sup></b>				
100104	2×2.5	7.7	9.9	4.8
100105	3G2.5	8.3	13.3	7.2
100106	4G2.5	9.1	16.6	9.6
100107	5G2.5	10.2	19.8	12.0
<b>4 mm<sup>2</sup></b>				
100118	4G4	11.0	25.4	15.4
100119	5G4	12.3	30.9	19.2
<b>6 mm<sup>2</sup></b>				
100123	4G6	12.7	43.8	23.0
100124	5G6	14.2	56.9	28.8

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