

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 ₀ /U	300/500 V
Test voltage	3000 V
Isolation 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 T 265-2-1
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
- 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
- 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
0.5 mm²				
100013	2×0,5 OZ	5.0	3.5	1.0
100001	3×0,5	5.3	4.0	1.4
110921	3×0,5 OZ	5.3	4.0	1.4
100002	4×0,5	5.8	5.2	1.9
100003	5×0,5	6.6	7.1	2.4
0.75 mm²				
100024	2×0,75 OZ	5.6	5.6	1.4
100025	3×0,75	5.8	6.6	2.2
100012	3×0,75 OZ	5.8	6.6	2.2
100026	4×0,75	6.4	8.0	2.9
100027	5×0,75	6.9	11.0	3.6
1.0 mm²				
100050	2×1,0 OZ	5.8	6.0	1.9
100051	3×1,0	6.3	8.0	2.9
100983	3×1,0 OZ	6.3	8.0	2.9
100052	4×1,0	6.7	10.6	3.8
100053	5×1,0	7.3	13.0	4.8
1.5 mm²				
100078	2×1,5 OZ	6.6	8.4	2.9
100079	3×1,5	6.9	10.2	4.3
100080	4×1,5	7.4	13.0	5.8
100081	5×1,5	8.3	16.0	7.2
2.5 mm²				
100104	2×2,5 OZ	7.7	11.2	4.8
100105	3×2,5	8.3	15.0	7.2
100106	4×2,5	9.1	21.6	9.6
100107	5×2,5	10.2	26.0	12.0
4 – 6 mm²				
100118	4×4	11.0	30.0	15.4
100119	5×4	12.3	38.0	19.2
100123	4×6	12.7	42.0	23.0
100124	5×6	14.2	51.0	28.8

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