

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 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
- Conductors black with white number print VDE 0293
- 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

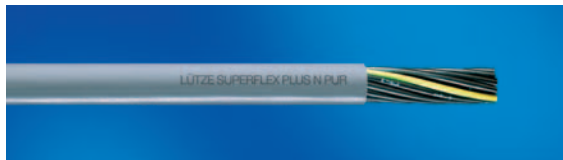
Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.5 mm²				
100363	2×0,5 OZ	5.0	3.5	1.0
100364	3×0,5	5.3	4.2	1.4
101311	3×0,5 OZ	5.3	4.2	1.4
100365	4×0,5	5.8	5.2	1.9
108208	4×0,5 OZ	5.8	5.2	1.9
100366	5×0,5	6.5	7.0	2.4
100375	5×0,5 OZ	6.6	7.0	2.4
100215	7×0,5	7.0	8.2	3.4
100368	8×0,5	8.3	9.0	3.8
100369	10×0,5	9.0	12.0	4.8
100370	12×0,5	9.2	15.0	5.8
100371	14×0,5	10.2	16.0	6.7
100372	16×0,5	10.5	19.5	7.7
100373	18×0,5	11.5	20.6	8.6
100374	21×0,5	12.8	25.2	10.1
100358	25×0,5	13.3	30.8	12.0
100378	30×0,5	14.4	32.4	14.4
100379	36×0,5	15.8	41.0	17.3
100380	40×0,5	16.8	44.6	19.2
100382	50×0,5	18.4	52.0	24.0
100383	65×0,5	20.9	76.0	31.2
0.75 mm²				
100384	2×0,75 OZ	5.6	4.6	1.4
100385	3×0,75	5.8	5.4	2.2
100734	3×0,75 OZ	5.8	5.4	2.2
100386	4×0,75	6.6	6.9	2.9
100736	4×0,75 OZ	6.4	6.9	2.9
100387	5×0,75	6.9	8.6	3.6
100738	5×0,75 OZ	6.9	8.6	3.6
100389	7×0,75	7.5	12.0	5.0
100390	8×0,75	9.0	12.6	5.8
100436	9×0,75	9.9	15.0	6.5
100391	10×0,75	9.6	17.9	7.2
100392	12×0,75	9.7	18.1	8.6
100388	14×0,75	10.8	23.5	10.1
100394	16×0,75	12.0	25.5	11.5
100395	18×0,75	12.0	28.6	13.0
101063	21×0,75	14.3	34.4	15.1
100398	25×0,75	14.0	41.0	18.0
100400	34×0,75	15.8	52.6	24.5
101312	41×0,75	17.5	59.0	29.5
100402	50×0,75	18.8	68.0	36.0
1.0 mm²				
100405	2×1,0 OZ	5.9	5.5	1.9
100406	3×1,0	6.2	6.5	2.9
100746	3×1,0 OZ	6.3	6.5	2.9
100407	4×1,0	6.7	7.5	3.8
100737	4×1,0 OZ	6.9	7.5	3.8
100408	5×1,0	7.3	10.3	4.8
100739	5×1,0 OZ	7.3	10.3	4.8
100409	6×1,0	8.2	12.5	5.8
100410	7×1,0	8.2	13.3	6.7
100411	8×1,0	9.7	18.4	7.7
100412	10×1,0	9.7	21.0	9.6
100413	12×1,0	10.6	22.5	11.5
100414	14×1,0	11.5	26.1	13.4
100415	16×1,0	12.0	30.0	15.4
100416	18×1,0	12.9	31.5	17.3
100420	20×1,0	13.8	38.0	19.2
101085	21×1,0	14.4	48.0	20.2

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

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Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
1.0 mm²				
100417	25 × 1,0	14.9	46.4	24.0
100419	34 × 1,0	17.5	71.0	32.6
100169	42 × 1,0	19.1	81.0	40.3
100421	50 × 1,0	21.0	84.0	48.0
100426	65 × 1,0	23.8	108.0	62.4
1.5 mm²				
100429	2 × 1,5 OZ	6.9	6.8	2.9
100430	3 × 1,5	6.9	8.3	4.3
100874	3 × 1,5 OZ	7.0	8.3	4.3
100431	4 × 1,5	7.4	10.5	5.8
100258	4 × 1,5 OZ	7.9	10.5	5.8
100432	5 × 1,5	8.3	13.5	7.2
100433	7 × 1,5	9.1	17.1	10.1
100434	8 × 1,5	10.7	11.5	11.5
100435	10 × 1,5	11.0	27.6	14.4
100437	12 × 1,5	11.7	32.5	17.3
100438	14 × 1,5	12.9	34.0	20.2
100440	18 × 1,5	14.7	47.3	25.9
100443	25 × 1,5	16.9	58.6	36.0
100447	50 × 1,5	23.9	120.0	72.0
2.5 mm²				
118389	2 × 2,5 OZ	7.7	11.2	4.8
100453	3 × 2,5	8.3	13.6	7.2
100454	4 × 2,5	9.1	16.7	9.6
100455	5 × 2,5	10.2	21.1	12.0
100456	7 × 2,5	11.3	27.1	16.8
100458	12 × 2,5	14.7	53.3	28.8
100460	18 × 2,5	18.1	78.0	43.2
100461	25 × 2,5	20.8	107.0	60.0
4 mm²				
100871	2 × 4 OZ	9.5	14.0	7.7
100464	4 × 4	11.0	28.2	15.4
100465	5 × 4	12.3	35.2	19.2
100466	7 × 4	13.6	50.0	26.9
6 mm²				
100468	4 × 6	12.7	37.5	23.0
100469	5 × 6	14.2	48.0	28.8
100470	7 × 6	15.7	64.0	40.3
10 mm²				
100471	4 × 10	16.3	72.0	38.4
100475	5 × 10	18.2	87.0	48.0
100472	7 × 10	20.2	106.0	67.2
16 mm²				
100473	4 × 16	20.1	100.0	61.4
100354	5 × 16	22.6	125.0	76.8
100474	7 × 16	25.0	175.0	107.5
25 mm²				
100480	4 × 25	22.9	155.0	96.0
100476	7 × 25	31.3	270.0	168.0
35 mm²				
100481	4 × 35	28.9	200.0	134.4
50 mm²				
108062	4 × 50	35.4	290.0	192.0

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