

PVC control cables · with steel braid

LÜTZE-SILFLEX® NSY



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 the hardest operating conditions
- For flexible application without compulsory guide

Properties

- High mechanical protection through galvanised steel braid and PVC inside jacket
- PVC Flame-retardant, self-extinguishing
- outer jacket transparent special PVC
- 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

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
- Conductors stranded layers
- Inside jacket PVC
- Hot-dipped galvanised steel wire braid, optical covering ≥ 65 %.
- Jacket special-PVC **transparent**

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.5 mm²				
100573	3×0,5	7.9	13.4	1.4
100574	4×0,5	9.0	14.0	1.9
100575	5×0,5	9.7	15.6	2.4
100600	12×0,5	12.3	27.5	5.8
100581	18×0,5	15.0	35.0	8.6
0.75 mm²				
100588	2×0,75 OZ	8.2	12.9	1.4
100589	3×0,75	8.5	14.0	2.2
100590	4×0,75	9.5	16.2	2.9
100591	5×0,75	10.1	16.8	3.6
100592	7×0,75	11.2	19.7	5.0
100602	12×0,75	14.0	30.0	8.6
100597	18×0,75	15.5	39.8	13.0
100537	25×0,75	18.2	50.0	18.0
1.0 mm²				
100605	2×1,0 OZ	9.8	17.0	1.9
100606	3×1,0	10.1	18.7	2.9
100607	4×1,0	10.8	19.6	3.8
100608	5×1,0	11.6	23.0	4.8
100611	7×1,0	12.4	27.0	6.7
100616	12×1,0	15.1	38.0	11.5
100618	18×1,0	17.3	50.6	17.3
100619	25×1,0	20.0	62.0	24.0
1.5 mm²				
100610	2×1,5 OZ	10.2	18.0	2.9
100625	3×1,5	10.6	19.5	4.3
100626	4×1,5	11.3	21.0	5.8
100627	5×1,5	12.2	24.7	7.2
100628	7×1,5	13.0	31.3	10.1
100630	12×1,5	15.9	45.6	17.3
100632	18×1,5	20.0	65.0	25.9
100633	25×1,5	25.5	93.1	36.0
2.5 mm²				
100638	3×2,5	12.7	25.6	7.2
100637	4×2,5	13.6	30.3	9.6
100639	5×2,5	14.7	34.3	12.0
100640	7×2,5	15.8	42.6	16.8
100642	12×2,5	20.5	79.0	28.8
100644	18×2,5	26.5	93.0	43.2
100645	25×2,5	31.5	145.0	60.0
4 – 10 mm²				
100648	4×4	16.1	41.5	15.4
100650	5×4	17.5	48.3	19.2
100646	7×4	21.5	70.0	26.9
100652	4×6	18.4	60.0	23.4
100653	5×6	20.0	65.1	28.8
100649	7×6	22.5	85.0	40.3
100654	4×10	22.3	100.0	38.4
100655	5×10	25.5	107.0	48.0
100656	7×10	27.5	140.0	67.2

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