

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
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

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
G = with green/yellow ground conductor; × = without ground conductor
- 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	3G0.5	7.9	13.4	1.4
100574	4G0.5	9.0	14.0	1.9
100575	5G0.5	9.7	15.6	2.4
101327	7G0.5	10.7	18.0	3.4
100600	12G0.5	12.3	27.5	5.8
100581	18G0.5	15.0	35.0	8.6
108025	25G0.5	17.3	30.0	12.0
0.75 mm²				
100588	2×0.75	8.2	12.9	1.4
100589	3G0.75	8.5	14.0	2.2
100590	4G0.75	9.5	16.2	2.9
100591	5G0.75	10.1	16.8	3.6
100592	7G0.75	11.2	19.7	5.0
100602	12G0.75	14.0	30.0	8.6
100597	18G0.75	15.5	39.8	13.0
100537	25G0.75	18.2	50.0	18.0
1.0 mm²				
100605	2×1.0	9.8	17.0	1.9
100606	3G1.0	10.1	18.7	2.9
100607	4G1.0	10.8	19.6	3.8
100608	5G1.0	11.6	23.0	4.8
100611	7G1.0	12.4	27.0	6.7
100616	12G1.0	15.1	38.0	11.5
100618	18G1.0	17.3	50.6	17.3
100619	25G1.0	20.0	62.0	24.0
1.5 mm²				
100610	2×1.5	10.2	18.0	2.9
100625	3G1.5	10.6	19.5	4.3
100626	4G1.5	11.3	21.0	5.8
100627	5G1.5	12.2	24.7	7.2
100628	7G1.5	13.0	31.3	10.1
100630	12G1.5	15.9	45.6	17.3
100632	18G1.5	20.0	65.0	25.9
100633	25G1.5	25.5	93.1	36.0
2.5 mm²				
100638	3G2.5	12.7	25.6	7.2
100637	4G2.5	13.6	30.3	9.6
100639	5G2.5	14.7	34.3	12.0
100640	7G2.5	15.8	42.6	16.8
100642	12G2.5	20.5	79.0	28.8
100644	18G2.5	26.5	93.0	43.2
100645	25G2.5	31.5	145.0	60.0
4 – 10 mm²				
100648	4G4	16.1	41.5	15.4
100650	5G4	17.5	48.3	19.2
100646	7G4	21.5	70.0	26.9
100652	4G6	18.4	60.0	23.4
100653	5G6	20.0	65.1	28.8
100649	7G6	22.5	85.0	40.3
100654	4G10	22.3	100.0	38.4
100655	5G10	25.5	107.0	48.0
100656	7G10	27.5	140.0	67.2

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