

PVC control cable · shielded, without inside jacket

LÜTZE-SILFLEX® N (C) Y



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
- Anywhere where electrical interference fields can influence the signal transmission

Properties

- The overall shield of braided copper wires prevents both the interference of signals and measured values as well as the radiation of interfering signals
- 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
Insulation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +70 °C
fixed	-25 °C to +70 °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
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- 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				
116191	(2×0.5)	5.6	4.5	2.9
116139	(3G0.5)	6.2	6.3	4.5
116226	(3×0.5)	6.2	6.3	4.5
116238	(5G0.5)	7.1	9.6	5.7
116235	(7G0.5)	7.8	13.6	6.9
116236	(7×0.5)	7.8	13.6	6.9
116246	(12G0.5)	10.0	20.0	10.8
116247	(18G0.5)	11.6	27.5	14.4
116250	(25G0.5)	13.7	35.0	21.1
0.75 mm²				
116174	(2×0.75)	6.3	5.5	3.1
116100	(3G0.75)	6.5	7.0	4.6
116101	(3×0.75)	6.5	7.0	4.6
116102	(4G0.75)	7.1	9.5	5.6
116103	(5G0.75)	7.7	13.0	7.0
116104	(7G0.75)	8.4	16.8	9.8
116105	(12G0.75)	11.0	23.2	14.8
116106	(18G0.75)	12.8	31.5	20.5
116107	(25G0.75)	15.1	43.0	26.0
1.0 mm²				
116234	(2×1.0)	6.6	8.4	5.1
116110	(3G1.0)	6.9	11.0	7.0
116112	(4G1.0)	7.4	13.0	8.0
116113	(5G1.0)	8.2	15.6	9.5
116114	(7G1.0)	8.9	19.2	12.0
116115	(12G1.0)	11.6	28.5	18.5
116116	(18G1.0)	14.0	39.5	24.5
116117	(25G1.0)	16.0	64.2	33.0
1.5 mm²				
116137	(2×1.5)	7.2	9.7	6.5
116121	(3G1.5)	7.4	12.5	9.0
116122	(3×1.5)	7.4	12.5	9.0
116123	(4G1.5)	8.3	16.5	11.0
116124	(5G1.5)	9.0	19.3	12.5
116125	(7G1.5)	10.0	24.5	15.9
116126	(12G1.5)	13.3	36.5	24.5
116127	(18G1.5)	15.7	55.3	34.5
116128	(25G1.5)	18.0	72.0	46.5
2.5 mm²				
116132	(3G2.5)	9.2	18.8	12.4
116133	(4G2.5)	10.0	23.6	15.0
116134	(5G2.5)	11.1	27.0	18.0
116135	(7G2.5)	12.0	34.0	23.5
116136	(12G2.5)	15.8	58.5	38.5
116249	(18G2.5)	18.8	95.5	56.9
116144	(25G2.5)	22.0	131.0	77.5
4 – 35 mm²				
116150	(4G4)	11.8	30.2	22.0
116153	(4G6)	14.2	41.2	30.5
116156	(4G10)	17.2	72.0	51.7
116158	(4G16)	20.2	107.0	75.6
116159	(4G25)	24.9	152.1	114.6
116143	(4G35)	27.8	229.0	154.3

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