

PVC electronic cables · shielded

LÜTZE ELECTRONIC LiY (C)Y GREY



Application

- For trouble-free transmission in all areas of electronics, measuring, control and regulation technology
- In low voltage switchgears and communications engineering
- In dry and moist rooms
- For flexible application for free movement and without tensile loading

Properties

- PVC Flame-retardant, self-extinguishing
- Very good shielding attenuation
- Outer jacket special-PVC TI2 according to HD 21.1
- Widely resistant to oils, greases, acids and bases
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage

up to 0.34 mm ²	300 V
after 0.5 mm ²	500 V

Test voltage

up to 0.34 mm ²	1200 V
after 0.5 mm ²	2000 V

Isolation resistance

min. 20 MΩ × km

Operating capacitance

approx. 120 – 150 pF/m

Temperature range

moving	-5 °C to +70 °C
fixed	-30 °C to +70 °C

Minimum bending radius

fixed Cable diameter × 6

Burning behaviour

Flame-retardant according to VDE 0482 T. 265-2-1; 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 colour-coded according to DIN 47100
- Conductors stranded layers, foil banding
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM2 according to HD 21.1, 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
0.14 mm²				
111206	(2×0,14)	3.8	2.0	0.9
108147	(3×0,14)	3.9	2.8	1.2
108149	(4×0,14)	4.4	3.5	1.4
110929	(5×0,14)	4.6	3.8	1.6
111086	(6×0,14)	4.9	4.7	1.9
110658	(7×0,14)	4.9	4.9	2.0
110722	(8×0,14)	5.9	5.3	2.2
110710	(10×0,14)	6.5	6.6	2.6
110736	(12×0,14)	6.5	7.0	2.8
110739	(14×0,14)	6.9	8.0	3.3
118466	(16×0,14)	7.2	9.0	4.5
118481	(18×0,14)	7.5	10.5	5.2
118438	(25×0,14)	8.8	14.0	7.2
110712	(27×0,14)	8.9	14.0	8.4
110474	(32×0,14)	9.9	16.8	9.6
111080	(40×0,14)	10.8	21.0	11.5
111084	(50×0,14)	11.6	24.0	13.5
0.25 mm²				
118430	(3×0,25)	4.7	3.1	1.8
118439	(4×0,25)	5.0	3.6	2.2
108154	(5×0,25)	5.5	4.2	2.5
118406	(6×0,25)	5.9	5.0	3.0
110650	(7×0,25)	6.0	5.4	3.2
118407	(8×0,25)	6.9	6.2	3.5
118467	(12×0,25)	8.0	8.8	5.0
111082	(14×0,25)	8.4	10.3	5.8
100552	(16×0,25)	8.8	11.2	6.5
118476	(18×0,25)	9.8	12.6	8.0
111327	(21×0,25)	10.4	16.0	10.0
118330	(32×0,25)	12.2	22.0	13.5
118479	(50×0,25)	14.5	26.5	18.0
0.34 mm²				
110787	(2×0,34)	4.7	2.9	1.7
110743	(4×0,34)	5.6	4.2	2.4
118408	(5×0,34)	5.8	5.0	3.0
118409	(6×0,34)	6.5	5.9	3.9
118410	(7×0,34)	6.7	6.5	4.2
118411	(8×0,34)	7.3	7.3	4.5
118421	(10×0,34)	8.3	12.9	7.4
110790	(12×0,34)	8.5	14.2	8.0
110585	(14×0,34)	8.9	15.4	8.6
101280	(16×0,34)	9.5	14.0	8.2
110717	(18×0,34)	10.2	18.0	9.5
118331	(20×0,34)	10.5	18.4	12.4
118427	(21×0,34)	10.9	19.3	12.8
101281	(24×0,34)	11.9	23.5	14.0
110470	(30×0,34)	12.4	25.0	15.6
110666	(40×0,34)	14.2	31.6	19.8
118128	(44×0,34)	14.7	34.3	21.5

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

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0.5 mm²				
111324	(1×0,5)	3.6	2.0	1.4
118320	(2×0,5)	5.4	5.4	2.3
118413	(3×0,5)	5.6	6.5	3.5
118412	(4×0,5)	5.9	7.7	4.5
110720	(5×0,5)	6.8	9.1	5.7
101286	(6×0,5)	7.8	9.5	6.8
118471	(8×0,5)	8.8	13.0	8.5
101423	(10×0,5)	9.5	14.1	10.0
118991	(12×0,5)	10.0	16.4	11.2
110507	(16×0,5)	10.7	19.0	14.0
110742	(18×0,5)	11.5	23.7	15.2
110703	(20×0,5)	11.8	25.6	16.5
0.75 mm²				
118414	(2×0,75)	6.5	5.6	3.5
118298	(3×0,75)	6.8	7.0	4.6
118299	(4×0,75)	7.3	9.5	5.6
118295	(5×0,75)	8.2	13.0	7.0
118349	(7×0,75)	8.9	16.8	9.8
118445	(8×0,75)	10.0	17.2	11.0
110399	(10×0,75)	10.5	18.7	13.0
110477	(12×0,75)	10.8	21.8	15.4
111117	(16×0,75)	12.1	29.0	18.3
1.0 – 1.5 mm²				
108057	(2×1,0)	7.5	8.4	5.5
110915	(3×1,0)	6.9	9.0	7.5
110917	(4×1,0)	7.6	10.9	8.0
110918	(5×1,0)	8.3	12.6	9.5
110919	(7×1,0)	9.0	17.1	12.0
118391	(2×1,5)	8.3	9.7	6.5
110141	(3×1,5)	8.0	11.5	9.0
110142	(4×1,5)	8.7	15.3	11.0
110149	(7×1,5)	10.3	22.0	15.9

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