

PVC electronic cables - shielded

LÜTZE ELECTRONIC LiY (C) Y Shielded electronic cable



Application

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

Properties

- PVC Flame-retardant, self-extinguishing
- High active and passive interference resistance (EMC)
- Resistant to most acids and alkalis
- Silicone free
- RoHS-compliant

Technical data

Voltage	
up to 0.34 mm ²	300 V
from 1,5 mm ²	500 V
Test voltage	
up to 0.34 mm ²	1200 V
after 0.5 mm ²	2000 V
Insulation 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	
moving	D × 15
fixed	D × 6
Burning behavior	
	Flame-retardant according to VDE 0482 part 265-2, DIN EN 50265-2, IEC 60332-1

Construction

- Bare copper wire, finely stranded according to DIN VDE 0295 class 5, IEC 60228 class 5
(*exception: 0.34 mm² = 7×0.25Ø)
- Conductor insulation Special PVC
- Conductors color-coded according to DIN 47100
- Conductors cabled in layers, foil tape
- Braid from tinned copper wire, optical coverage ≥ 80 %
- Jacket special PVC TM2 according to VDE 0281-1, matte, adhesion-free surface
- Jacket color grey RAL 7001

Part-No.	Number of conductors/cross-section	Outer Ø ca. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
111206	(2×0.14)	3.7	2.1	1.3
108147	(3×0.14)	3.9	2.5	1.4
108149	(4×0.14)	4.1	2.9	1.6
110929	(5×0.14)	4.4	3.5	2.0
111086	(6×0.14)	4.7	3.8	2.2
110658	(7×0.14)	4.7	4.1	2.4
110722	(8×0.14)	5.0	4.5	2.6
110710	(10×0.14)	5.9	5.6	2.9
110736	(12×0.14)	6.1	6.1	3.2
118466	(16×0.14)	6.8	8.1	4.9
118481	(18×0.14)	7.1	9.2	5.4
110478	(21×0.14)	7.4	10.6	6.0
118438	(25×0.14)	8.3	12.0	7.8
0.25 mm²				
110993	(2×0.25)	4.3	2.0	1.5
118430	(3×0.25)	4.5	3.5	1.8
118439	(4×0.25)	4.8	4.4	2.2
108154	(5×0.25)	5.2	5.0	2.5
118406	(6×0.25)	5.8	5.8	3.0
110650	(7×0.25)	5.8	6.0	3.2
118407	(8×0.25)	6.2	6.7	3.5
110475	(10×0.25)	7.3	8.1	4.2
118467	(12×0.25)	7.5	9.1	5.0
111082	(14×0.25)	7.8	11.6	6.4
100552	(16×0.25)	8.2	13.3	7.1
118476	(18×0.25)	8.6	13.7	8.0
111327	(21×0.25)	9.0	17.1	10.5
110471	(25×0.25)	10.7	19.0	11.7
0.34 mm² *				
110787	(2×0.34)	4.7	3.3	1.7
110371	(3×0.34)	4.9	4.1	2.1
110743	(4×0.34)	5.5	4.8	2.5
118408	(5×0.34)	6.0	5.8	3.0
118409	(6×0.34)	6.4	6.4	3.6
118410	(7×0.34)	6.4	7.0	4.2
118411	(8×0.34)	7.1	9.3	4.5
118421	(10×0.34)	8.1	11.0	6.3
110790	(12×0.34)	8.3	12.0	7.0
101280	(16×0.34)	9.2	14.7	8.7
110717	(18×0.34)	10.2	17.2	10.8
118427	(21×0.34)	10.7	19.6	12.7
101281	(24×0.34)	11.7	22.9	14.0
0.5 mm²				
118320	(2×0.5)	5.2	4.2	2.9
118413	(3×0.5)	5.7	5.5	3.5
118412	(4×0.5)	6.1	6.8	4.5
110720	(5×0.5)	6.8	8.2	5.0
110374	(7×0.5)	7.4	10.9	6.8
118471	(8×0.5)	7.9	12.3	7.5
101423	(10×0.5)	9.1	13.5	9.3
118991	(12×0.5)	9.4	16.0	10.7
110742	(18×0.5)	11.5	23.0	15.2
110514	(25×0.5)	13.5	33.5	21.1

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