

PVC electronic cables· stranded pairs, shielded

LÜTZE ELECTRONIC LIY (C)Y TP



Application

- For trouble-free transmission in all areas of electronics, measuring, control and regulation technology
- In low voltage switchgears and communications engineering
- In office machines and computers
- 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
- High crosstalk attenuation through paired stranding
- 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

- E-copper braid not insulated, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC cable insulation
- Conductors colour-coded according to DIN 47100
- Conductors stranded pairs, foil banding
- Meshwork from tinned copper wire braid, optional covering ≥ 85 %
- Jacket Special PVC TM2 according to HD21.1, matt, adhesion-free surface
- Jacket colour grey RAL 7032

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
110600	(2×2×0,14)	5.1	3.5	1.8
110601	(3×2×0,14)	5.5	4.2	2.3
110602	(4×2×0,14)	6.3	5.0	2.5
110604	(6×2×0,14)	7.3	8.5	3.8
110606	(10×2×0,14)	8.9	11.5	6.0
110607	(12×2×0,14)	9.3	12.5	7.3
110609	(16×2×0,14)	10.5	14.8	9.8
110611	(20×2×0,14)	11.5	18.5	11.5
118165	(30×2×0,14)	13.2	27.9	14.3
110614	(32×2×0,14)	14.6	29.0	14.5
0.25 mm²				
110618	(2×2×0,25)	6.5	4.6	2.4
110619	(3×2×0,25)	6.7	5.7	3.5
110620	(4×2×0,25)	7.5	7.7	4.2
118195	(5×2×0,25)	8.0	8.7	5.0
110622	(6×2×0,25)	9.0	10.4	5.8
118251	(8×2×0,25)	9.4	11.8	7.0
110625	(10×2×0,25)	11.1	14.0	10.2
110626	(12×2×0,25)	12.1	19.0	12.0
110629	(20×2×0,25)	14.1	26.2	16.0
118110	(24×2×0,25)	15.5	33.3	19.3
0.34 mm²				
110633	(2×2×0,34)	6.6	5.2	2.6
110634	(3×2×0,34)	7.4	6.8	4.0
110635	(4×2×0,34)	8.2	9.0	5.2
110637	(6×2×0,34)	9.6	13.7	6.8
110665	(10×2×0,34)	12.3	14.3	12.2
118294	(24×2×0,34)	16.8	41.0	24.5
0.5 mm²				
110641	(2×2×0,5)	8.0	8.7	4.6
110642	(3×2×0,5)	8.6	10.9	6.4
110643	(4×2×0,5)	9.6	13.9	8.2
110248	(5×2×0,5)	11.1	17.6	9.8
110645	(8×2×0,5)	12.0	23.8	13.6
118244	(10×2×0,5)	14.1	28.4	16.0
118322	(12×2×0,5)	15.0	32.4	18.6
110647	(16×2×0,5)	17.6	44.6	24.0
0.75 mm²				
110651	(2×2×0,75)	8.6	10.6	5.8
110137	(3×2×0,75)	9.5	14.0	8.4
110653	(4×2×0,75)	10.8	17.9	10.8
111109	(6×2×0,75)	12.5	24.6	14.6
111232	(12×2×0,75)	17.6	45.6	26.1

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