LÜTZE ELECTRONIC LiY (C) Y
Shielded electronic cable UL recognized

Application
- For interference-free transmission in all areas of electronics, measuring, monitoring and regulation technology
- In low voltage switchgears, communications engineering
- In dry and damp rooms
- For flexible application for free movement and without tensile loading
- Especially for industrial environments with high interference potential in machine, plant and device construction

Properties
- Minimal cable diameter due to thin-walled PVC conductor insulation according to UL
- High active and passive interference resistance
- Outer jacket special-PVC Class 43 according to UL
- Very good oil resistance
- Resistant to most acids and alkalis (see tech. information)
- Silicone free
- RoHS-compliant

Technical data

UL approval	AWM 2464
Nominal voltage	300 V 80 °C
Test voltage	2000 V
Insulation resistance	min. 20 MΩ × km
Operating capacitance	approx. 120 – 150 pF/m
Temperature range	
moving	-10 °C to +70 °C
fixed	-40 °C to +80 °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, UL 1581 section VW-1 Flame-Test, CSA FT 1

Construction
- Bare copper wire, finely stranded according to DIN VDE 0295 class 5, IEC 60228 class 5
  (*exception: 0.34 mm² = 7×0.25∅)
- Conductor insulation Special PVC
- Conductors color-coded according to DIN 47100
- Conductors cabled in layers
- Braid from tinned copper wire, optical coverage ≥ 85 %
- Jacket special-PVC
- Jacket color grey RAL 7001

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

Part-No.	Number of conductors/cross-section	Outer ∅ ca. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
108670	(2×0.14)	4.1	2.7	1.2
108671	(3×0.14)	4.3	3.0	1.3
108672	(4×0.14)	4.5	3.4	1.5
108673	(5×0.14)	4.8	4.0	1.7
108674	(6×0.14)	5.1	4.3	2.0
108675	(8×0.14)	5.6	5.1	2.4
108676	(10×0.14)	6.1	6.0	2.9
108677	(12×0.14)	6.2	6.5	3.2
108678	(16×0.14)	6.9	9.0	3.9
108679	(18×0.14)	7.3	11.5	4.3
108680	(25×0.14)	8.6	15.4	5.5
0.25 mm²				
108682	(2×0.25)	4.7	3.2	1.5
108683	(3×0.25)	4.9	3.7	1.8
108684	(4×0.25)	5.2	4.4	2.2
108685	(5×0.25)	5.6	5.2	2.6
108686	(6×0.25)	6.0	6.1	2.9
108687	(8×0.25)	6.5	6.8	3.6
108688	(10×0.25)	7.5	8.0	4.3
108689	(12×0.25)	7.7	9.2	5.0
108690	(16×0.25)	8.4	11.9	6.4
108691	(18×0.25)	9.1	12.9	8.0
108692	(25×0.25)	10.6	17.2	9.8
0.34 mm² *				
108694	(2×0.34)	5.2	4.0	2.1
108695	(3×0.34)	5.4	4.3	2.2
108696	(4×0.34)	5.8	5.8	2.7
108697	(5×0.34)	6.2	6.6	3.2
108698	(6×0.34)	6.8	7.9	3.9
108699	(8×0.34)	7.2	8.9	4.5
108700	(10×0.34)	8.6	11.6	6.3
108701	(12×0.34)	8.8	12.6	6.7
108702	(16×0.34)	9.4	16.0	7.7
108703	(18×0.34)	10.1	17.3	9.2
108704	(25×0.34)	11.8	24.7	12.1
0.5 mm²				
108706	(2×0.5)	5.6	4.7	2.2
108707	(3×0.5)	5.9	5.6	2.8
108708	(4×0.5)	6.3	6.7	3.4
108709	(5×0.5)	6.9	7.8	4.4
108710	(6×0.5)	7.5	9.1	6.8
108711	(8×0.5)	8.0	10.2	8.5
108712	(10×0.5)	9.0	13.7	10.0
108713	(12×0.5)	9.7	16.8	11.2
108714	(16×0.5)	10.7	20.3	14.0
108715	(18×0.5)	11.4	22.8	15.2
108716	(25×0.5)	13.6	30.0	19.5
0.75 mm²				
108718	(2×0.75)	6.1	6.4	3.8
108719	(3×0.75)	6.5	7.6	4.9
108720	(4×0.75)	7.0	9.2	5.8
108721	(5×0.75)	7.5	10.9	6.7
108722	(6×0.75)	8.3	11.3	8.7
108723	(8×0.75)	8.9	14.5	11.0
108724	(10×0.75)	10.6	18.7	13.0
108725	(12×0.75)	10.7	21.8	15.4
108726	(16×0.75)	12.0	27.5	18.3
108727	(18×0.75)	12.9	32.7	19.5
108728	(25×0.75)	15.4	45.4	28.0