

PVC electronic cables · shielded · UL style 2464 / CSA

LÜTZE ELECTRONIC LiY(C)Y AWG



Application

- 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
- Especially for industrial environments with high interference potential, in machines, plant and device construction

Properties

- Minimal cable diameter through thin-walled PVC semi-rigid conductor insulation according to UL
- Especially suitable for cost-efficient IDC-connection (Insulation Displacement Connection)
- High active and passive interference resistance
- Outer jacket special-PVC Class 43 according to UL
- Very good oil resistance
- Widely resistant to acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Nominal voltage	300 V
Test voltage	1500 V
Isolation resistance	min. 100 MΩ × km
Temperature range	
moving	-15 °C to +80 °C
fixed	-30 °C to +80 °C
Minimum bending radius	
fixed	Cable diameter × 6
for free movement	Cable diameter × 15
Burning behaviour	Flame-retardant according to VDE 0482 T. 265-2-1; UL VW-1

Design

- Bare copper wire in the AWG design
 - AWG 26/7 = 0.14 mm²
 - AWG 24/7 = 0.23 mm²
 - AWG 22/7 = 0.34 mm²
 - AWG 20/7 = 0.56 mm²
- Special semi-rigid PVC conductor insulation according to UL
- Conductors colour-coded according to international colour code (up to 19 conductors identical according to VDE 0881)
- Conductors stranded layers
- Braided shield from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC according to UL class 43
- Jacket colour black RAL 9005

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
AWG26				
118750	(2×AWG26)	4.2	1.7	1.2
118751	(3×AWG26)	4.4	1.9	1.3
118752	(4×AWG26)	4.7	2.3	1.5
118753	(6×AWG26)	5.2	3.1	2.0
118754	(8×AWG26)	5.6	4.0	3.1
118755	(10×AWG26)	6.3	4.5	3.4
118756	(12×AWG26)	6.6	5.1	3.8
AWG24				
118767	(2×AWG24)	4.6	1.9	1.4
118768	(3×AWG24)	4.8	2.4	1.7
118769	(4×AWG24)	5.2	2.8	2.3
118747	(6×AWG24)	5.8	3.9	2.9
118749	(8×AWG24)	6.3	3.8	3.8
118748	(10×AWG24)	7.5	4.3	4.3
118739	(12×AWG24)	7.8	5.1	5.1
AWG22				
118742	(2×AWG22)	4.8	3.2	1.5
118757	(3×AWG22)	5.0	3.6	1.7
118736	(4×AWG22)	5.4	4.5	2.5
118758	(6×AWG22)	5.8	6.1	3.4
118759	(8×AWG22)	6.8	7.3	4.1
118760	(10×AWG22)	7.9	9.3	5.7
AWG20				
118761	(2×AWG20)	5.1	4.1	2.2
118762	(3×AWG20)	5.3	4.8	2.7
118763	(4×AWG20)	5.7	5.8	3.3
118764	(6×AWG20)	6.6	7.8	4.6
118765	(8×AWG20)	7.7	10.2	6.6
118766	(10×AWG20)	8.2	12.0	7.8

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