

PVC electronic cables · unshielded · UL style 2464 / CSA

LÜTZE ELECTRONIC LIYY AWG



Application

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

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	-5 °C to +80 °C
fixed	-30 °C to +80 °C
Minimum bending radius	
fixed	Cable diameter × 4
for free movement	Cable diameter × 12
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
- 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				
118770	2×AWG26	3.6	1.2	0.3
118771	3×AWG26	3.8	1.5	0.4
118772	4×AWG26	4.0	1.8	0.6
118773	6×AWG26	4.6	2.5	0.8
118774	8×AWG26	5.1	3.4	1.1
118775	10×AWG26	5.6	3.8	1.4
118776	12×AWG26	5.8	4.6	1.7
AWG24				
118792	2×AWG24	3.8	1.6	0.5
118793	3×AWG24	4.0	1.9	0.7
118794	4×AWG24	4.3	2.3	0.9
118777	6×AWG24	4.9	3.2	1.4
118778	8×AWG24	5.7	4.6	1.8
118779	10×AWG24	6.0	5.5	2.3
118780	12×AWG24	6.2	6.0	2.8
AWG22				
118733	2×AWG22	4.3	2.3	0.7
118740	3×AWG22	4.4	2.7	1.0
118734	4×AWG22	4.8	3.3	1.4
118735	6×AWG22	5.7	3.7	2.0
118781	8×AWG22	6.2	5.9	2.7
118782	10×AWG22	7.0	7.1	3.4
118783	12×AWG22	7.2	8.2	4.1
AWG20				
118741	2×AWG20	4.6	2.9	1.1
118784	3×AWG20	4.8	3.5	1.7
118795	4×AWG20	5.4	4.5	2.2
118785	6×AWG20	6.1	6.3	3.4
118786	8×AWG20	6.8	7.9	4.5
118787	10×AWG20	7.6	10.2	5.6
118788	12×AWG20	8.1	11.0	6.7

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