

PVC electronic cables · unshielded

LÜTZE ELECTRONIC LiYY Unshielded electronic cable UL recognized



Application

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

Properties

- Minimal cable diameter due to thin-walled PVC conductor insulation according to UL
- 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 style	AWM 2464
Rated voltage	300 V
Test voltage	AC 2000 V
Insulation resistance at 20 °C	≥ 20 MΩ×km
Operating capacitance wire-wire	approx. 90 pF/m
Temperature according to UL	80 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	5×D
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part VW-1 Flame Test UL FT1
Conformity	CE RoHS
Approvals	cURus

Construction

- Conductor: CU-wire bare
- Conductor category: IEC 60228, Class 5, Finely stranded DIN VDE 0295, Class 5
- Conductor insulation: Special PVC
- Conductor marking: Color coded
- Conductor marking standard: DIN 47100
- Overall stranding: layered construction
- Jacket material: Special PVC
- Jacket color: grey RAL 7001

Part-No.	Number of conductors/cross-section	Outer Ø mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
108600	S* 2×0.14	3.7	1.5	0.3
108601	S* 3×0.14	3.8	1.7	0.4
108606	R* 10×0.14	5.7	4.0	1.4
0.25 mm²				
108612	S* 2×0.25	4.2	2.5	0.5
108613	S* 3×0.25	4.4	2.7	0.8
108614	S* 4×0.25	4.8	3.3	1.0
108615	R* 5×0.25	5.3	4.0	1.3
108616	S* 6×0.25	5.5	4.4	1.5
108617	R* 8×0.25	6.2	5.8	2.0
108618	R* 10×0.25	6.9	7.0	2.5
108619	R* 12×0.25	7.2	7.8	3.0
108620	R* 16×0.25	8.0	9.9	4.0
108621	R* 18×0.25	8.4	10.9	4.5
108622	R* 25×0.25	9.8	14.6	6.3
0.34 mm² = 7 × 0.25∅				
108624	S* 2×0.34	4.7	2.8	0.7
108625	S* 3×0.34	4.9	3.4	1.0
108626	S* 4×0.34	5.4	4.3	1.4
108627	S* 5×0.34	5.8	5.1	1.7
108628	R* 6×0.34	6.3	5.8	2.0
108629	R* 8×0.34	6.8	7.3	2.7
108630	R* 10×0.34	7.7	8.9	3.4
108631	R* 12×0.34	8.1	10.1	4.1
108632	R* 16×0.34	8.9	12.9	5.4
108633	R* 18×0.34	9.4	14.3	6.1
108634	R* 25×0.34	11.0	19.1	8.5
0.5 mm²				
108636	S* 2×0.5	5.3	3.6	1.0
108637	S* 3×0.5	5.5	4.3	1.5
108638	S* 4×0.5	6.0	5.3	2.0
108639	R* 5×0.5	6.5	6.4	2.5
108640	R* 6×0.5	7.0	7.5	3.0
108641	S* 8×0.5	7.6	9.3	4.0
108642	R* 10×0.5	8.7	11.4	5.0
108643	S* 12×0.5	9.1	13.0	6.0
108644	R* 16×0.5	10.1	16.9	8.0
108645	R* 18×0.5	10.6	18.6	9.0
108646	R* 25×0.5	12.6	25.5	12.5
0.75 mm²				
108648	S* 2×0.75	5.8	4.5	1.5

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

PVC electronic cables · shielded

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 style	AWM 2464
Rated voltage	300 V
Test voltage	AC 2000 V
Insulation resistance at 20 °C	≥ 20 MΩ×km
Operating capacitance wire-wire	approx. 100 pF/m
Operating capacitance wire-shield	approx. 150 pF/m
Temperature according to UL	80 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	6×D
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part VW-1 Flame Test UL FT1
Conformity	CE RoHS
Approvals	cURus

Construction

- Conductor: CU-wire bare
- Conductor category: IEC 60228, Class 5, Finely stranded DIN VDE 0295, Class 5
- Conductor insulation: Special PVC
- Conductor marking: Color coded
- Conductor marking standard: DIN 47100
- Overall stranding: layered construction
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PVC
- Jacket color: grey RAL 7001

Part-No.	Number of conductors/cross-section	Outer Ø mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
108672	R* (4×0.14)	4.6	3.0	1.4
108675	S* (8×0.14)	5.6	4.6	2.2
108677	R* (12×0.14)	6.4	5.9	3.0
0.25 mm²				
108682	S* (2×0.25)	4.7	3.4	1.5
108683	S* (3×0.25)	4.9	3.8	1.8
108684	S* (4×0.25)	5.3	4.6	2.2
108685	S* (5×0.25)	5.8	5.4	2.6
108686	R* (6×0.25)	6.2	6.3	2.9
108687	S* (8×0.25)	6.7	7.5	3.6
108688	R* (10×0.25)	7.5	9.5	4.3
108689	R* (12×0.25)	7.8	10.4	5.0
108690	S* (16×0.25)	8.6	12.5	6.4
108691	R* (18×0.25)	9.0	13.8	8.0
108692	R* (25×0.25)	10.5	18.5	9.8
0.34 mm² = 7 × 0.25				
108694	S* (2×0.34)	5.2	4.2	2.1
108695	S* (3×0.34)	5.4	4.6	2.2
108696	S* (4×0.34)	5.9	5.6	2.8
108697	S* (5×0.34)	6.3	6.6	3.8
108698	S* (6×0.34)	6.8	7.4	3.9
108699	S* (8×0.34)	7.4	9.8	4.5
108700	R* (10×0.34)	8.3	11.3	6.3
108701	S* (12×0.34)	8.7	12.8	6.7
108702	R* (16×0.34)	9.5	15.9	7.9
108703	R* (18×0.34)	10.0	17.3	9.2
108704	R* (25×0.34)	11.6	22.6	12.3
0.5 mm²				
108706	S* (2×0.5)	5.8	4.9	2.2
108707	S* (3×0.5)	6.0	5.9	2.8
108708	S* (4×0.5)	6.3	6.5	3.4
108709	S* (5×0.5)	7.0	8.3	4.4
108710	S* (6×0.5)	7.6	9.9	6.8
108711	S* (8×0.5)	8.2	11.9	8.5
108712	S* (10×0.5)	9.3	14.3	10.0
108713	R* (12×0.5)	9.7	16.2	11.2
108714	R* (16×0.5)	10.7	20.4	14.0
108715	R* (18×0.5)	11.2	22.3	15.2
108716	S* (25×0.5)	13.2	29.8	19.5
0.75 mm²				
108718	S* (2×0.75)	6.3	6.1	2.8
108719	S* (3×0.75)	6.6	7.1	4.9
108720	S* (4×0.75)	7.2	9.5	5.8
108724	R* (10×0.75)	10.4	19.1	13.0

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PVC electronic cables · shielded

LÜTZE ELECTRONIC LiY(C)Y TP

Shielded electronic cable UL recognized, paired



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

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- Very good oil resistance
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- Silicone free
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Technical data

UL style	AWM 2464
Rated voltage	300 V
Test voltage	AC 2000 V
Insulation resistance at 20 °C	≥ 20 MΩ×km
Operating capacitance wire-wire	approx. 110 pF/m
Operating capacitance wire-shield	approx. 160 pF/m
Temperature according to UL	80 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	6×D
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part VW-1 Flame Test UL FT1
Conformity	CE RoHS
Approvals	cURus

Construction

- Conductor: CU-wire bare
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- Conductor insulation: Special PVC
- Conductor marking: Color coded
- Conductor marking standard: DIN 47100
- Overall stranding: stranded pairs
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PVC
- Surface:
- Jacket color: grey RAL 7032

Part-No.	Number of conductors/cross-section	Outer Ø mm	Weight kg/100 m	Cu-Index kg/100 m
0.25 mm²				
108751	S* (2×2×0.25)	6.3	5.3	2.8
108753	S* (4×2×0.25)	7.4	8.0	4.0
108754	R* (5×2×0.25)	8.0	10.3	5.0
108755	S* (6×2×0.25)	9.1	12.0	7.0
108756	R* (8×2×0.25)	9.6	14.4	7.5
0.34 mm² = 7 × 0.25Ø				
108761	S* (2×2×0.34)	7.1	6.9	2.7
108763	S* (4×2×0.34)	8.4	10.4	6.1
108764	R* (5×2×0.34)	9.3	12.7	6.6
108765	R* (6×2×0.34)	10.1	14.9	7.5
108766	S* (8×2×0.34)	10.7	18.1	9.7
0.5 mm²				
108771	R* (2×2×0.5)	8.1	9.4	4.6
108773	R* (4×2×0.5)	9.5	12.9	8.7
108774	R* (5×2×0.5)	10.5	15.8	10.4
108775	R* (6×2×0.5)	11.4	18.7	11.8
108776	R* (8×2×0.5)	12.1	22.6	14.0
0.75 mm²				
108934	S* (2×2×0.75)	9.0	11.4	6.7
108936	R* (5×2×0.75)	11.6	10.8	12.6
108938	R* (8×2×0.75)	13.6	16.0	18.0

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