

Technical data sheet

PVC electronic cables · unshielded

LÜTZE ELECTRONIC LiYY

Unshielded electronic cable UL recognized



Identification

Type LIYY 18×0,25
Part No. [108621](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• In all areas of electronics, measuring, monitoring and regulation technologies• In low voltage switchgear, communications engineering• In dry and damp rooms• For flexible application for free movement and without tensile loading |
| Properties | <ul style="list-style-type: none">• Minimal cable diameter through thin-walled PVC conductor insulation according to UL• Outer jacket special-PVC Class 43 according to UL• Very good oil resistance• Largely resistant to acids and bases• Silicone free |

Construction

Description	ELETRONIC LiYY
Number of conductors/cross-section	18×0.25
Number of conductors	18
Cross-section, metric	0.25 mm ²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	8.4 mm
Outer Ø	0.33 inch
Weight	10.9 kg/100 m
Separating agent	Talcum

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SYSTEMATIC TECHNOLOGY

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Weight	73.3 Lbs/Mft
Cu-Index	4.5 kg/100 m
Cu-Index	30.3 Lbs/Mft

Construction Element 1

Element construction	18×0.25
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Class 5
Conductor marking	Color coded
Conductor marking standard	DIN 47100
Conductor insulation	Special PVC

Overall construction

Overall stranding	Layered construction
Jacket characteristics	Flame-retardant Oil resistant Acid-resistant Alkali-resistant Silicone free

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
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

Technical Data Element 1

Element construction	18×0.25
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx.90 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 2464
Conformity	CE RoHS REACH

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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
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General

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