

## Technical data sheet

PVC electronic cables · unshielded

### LÜTZE ELECTRONIC LiYY

Unshielded electronic cable UL recognized



#### Identification

Type LIYY 2×0,25  
Part No. [108612](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- Application
- 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
- 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 2×0.25  
Number of conductors 2  
Cross-section, metric 0.25 mm<sup>2</sup>  
Jacket material Special PVC  
Jacket color grey similar to RAL 7001  
Outer Ø 4.2 mm  
Outer Ø 0.17 inch  
Tolerance ±0.2 mm  
Weight 2.5 kg/100 m

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08.03.2023 • Subject to technical modification

Part No. [108612](#) • Datasheet version: 00

page 1 of 3



SYSTEMATIC TECHNOLOGY

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### PVC electronic cables · unshielded

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Separating agent	Talcum
Weight	16.8 Lbs/Mft
Cu-Index	0.5 kg/100 m
Cu-Index	3.4 Lbs/Mft

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#### Construction Element 1

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Element construction	2×0.25
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

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#### Overall construction

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Overall stranding	layered construction
Jacket characteristics	Flame-retardant Oil resistant acid-resistant alkali-resistant Silicone-free

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#### Technical data

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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

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#### Technical Data Element 1

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Element construction	2×0.25
Insulation resistance at 20 °C	≥20 MΩ×km
Operating capacitance wire-wire	approx.90 pF/m

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#### Certifications/Standards

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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

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