

4125000
Internal
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# DATA SHEET

## LiY single core



**LAPP**

### Application

LiY single core is a stranded hook-up wire for telecommunication devices and electronic components. These cables are suited for occasional flexing use and fixed installation in dry and wet rooms.

### Design

Design	based on VDE 0812
Conductor	bare copper wires, conductor make-up: 0.14 mm <sup>2</sup> : ca. 18 x 0,10 mm 0.25 mm <sup>2</sup> : ca. 14 x 0,15 mm
Insulation	PVC
Core identification code	one or two colours (two colours: with twin colour helix)

### Electrical properties at 20 °C

Conductor resistance	0.14 mm <sup>2</sup> : max. 138.0 Ω/km 0.25 mm <sup>2</sup> : max. 79.0 Ω/km
Insulation resistance	> 200 MΩ x km
Maximum operating voltage	0.14 mm <sup>2</sup> : 500 V AC 0.25 mm <sup>2</sup> : 900 V AC (not intended to be used in conjunction with low impedance sources, such as power grids)
Test voltage	C/C and C/S: 0.14 mm <sup>2</sup> : 1200 V AC 0.25 mm <sup>2</sup> : 2500 V AC

### Mechanical and thermal properties

Minimum bending radius	occasional flexing: 10 x outer diameter fixed installation: 4 x outer diameter
Temperature range	occasional flexing: -5 °C up to +70 °C max. conductor temperature fixed installation: -30 °C up to +70 °C max. conductor temperature
Flammability	flame retardant acc. to EN 60332-1-2 resp. IEC 60332-1-2

### Tests

#### General requirements

based on DIN VDE 0812

These cables are conform to  
EU-Directive 2014/35/EU (Low Voltage Directive) and to  
EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain  
hazardous substances).

#### Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

### Note

Trade product, no Lapp product

AbN  
automation

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