


<b>4125000</b>	<b>DATA SHEET</b>	
<b>valid from: 2022-01-25</b>	<b>LiY single core</b>	

## 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. 142.0 Ω/km 0.25 mm <sup>2</sup> : max. 77.5 Ω/km
Insulation resistance	> 200 MΩ x km
Maximum operating voltage	0.14 mm <sup>2</sup> : 500 V (not for power applications) 0.25 mm <sup>2</sup> : 900 V (not for power applications) Must not be connected to the mains supply voltage.
Test voltage	0.14 mm <sup>2</sup> : 1200 V 0.25 mm <sup>2</sup> : 2500 V

## 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

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