| 4125000 | DATA SHEET | LAPP |
|---|---|---|
| valid from: 2022-01-25 | LiY single core | |

## 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

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| Design | based on VDE 0812 |
| Conductor | bare copper wires, conductor make-up:<br>0.14 mm²: ca. 18 x 0,10 mm<br>0.25 mm²: ca. 14 x 0,15 mm |
| Insulation | PVC |
| Core identification code | one or two colours<br>(two colours: with twin colour helix) |

## Electrical properties at 20 °C

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|---|---|
| Conductor resistance | 0.14 mm²: max. 142.0 Ω/km<br>0.25 mm²: max. 77.5 Ω/km |
| Insulation resistance | > 200 MΩ x km |
| Maximum operating voltage | 0.14 mm²: 500 V (not for power applications)<br>0.25 mm²: 900 V (not for power applications)<br>Must not be connected to the mains supply voltage. |
| Test voltage | 0.14 mm²: 1200 V<br>0.25 mm²: 2500 V |

## Mechanical and thermal properties

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| Minimum bending radius | occasional flexing: 10 x outer diameter<br>fixed installation: 4 x outer diameter |
| Temperature range | occasional flexing: -5 °C up to +70 °C max. conductor temperature<br>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** | based on DIN VDE 0812 |
| **General requirements** | These cables are conform to<br>EU-Directive 2014/35/EU (Low Voltage Directive) and to<br>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 |