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4560013S	DATA SHEET	LAPP
valid from: 2026-06-16	LiFY	

Application

LiFY cables are high-flexible single cores with cold flexible PVC insulation. They are at room temperature widely resistant to certain oils and several chemicals.
They are suitable for protected fixed installation under consideration of the respective voltage range.
Application range:
For use in and on mobile equipment; for use in measuring systems in laboratories, pilot plants and institutes

Design

Design	based on VDE 0812 and VDE 0250-1
Conductor	superfine wire strands of bare copper: 0.07 mm acc. to IEC 60228 resp. EN IEC 60228
Insulation	cold flexible PVC-based insulation
Core identification code	different colours

Electrical properties at 20 °C

Nominal voltage	up to 1 mm²: 300/500 V starting at 1.5 mm²: 450/750 V
Test voltage	3000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 10 x outer diameter fixed installation: 8 x outer diameter
Temperature range	occasional flexing: -15 °C up to +70 °C max. conductor temperature fixed installation: -30 °C up to +70 °C max. conductor temperature

General requirements	These cables are conform to the EU Directive 2014/35/EU (Low Voltage Directive)
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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