

4560011S	DATA SHEET	
valid from: 29.05.2019	LiFY 1 kV	

Application

LiFY 1 kV cables are high-flexible cables with cold flexible PVC insulation. They are crush-resistant and non-ageing and at room temperature widely resistant to certain oils and several chemicals.

They are suitable for protected fixed installation in lighting systems or switching and control devices for voltages up to and including 1000 V alternating voltage or up to 750 V direct voltage to earth.

Application range:

For use in and on mobile equipment; especially for use as measuring lead for measuring and control instruments or for 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. VDE 0295
Insulation	cold flexible PVC-based insulation As these cables are intended for full bunch plugs, the outer diameter for all cross-sections is 4 mm.
Core identification code	different colours

Electrical properties at 20°C

Rated voltage	1000 V
Test voltage	3000 V AC

Mechanical and thermal properties

Minimum bending radius	flexible use: 10 x cable diameter fixed installation: 8 x cable diameter
Temperature range	flexible use: -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)

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