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|-----------------------------------|-------------------|-------------------------------------------------------------------------------------|
| <b>4560011S</b>                   | <b>DATA SHEET</b> |  |
| <b>valid from:<br/>2021-09-01</b> | <b>LiFY 1 kV</b>  |                                                                                     |

## 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. EN 60228                                                                |
| Insulation               | cold flexible PVC-based insulation<br>As these cables are intended for full bunch plugs,<br>the outer diameter for all cross-sections is 4 mm. |
| Core identification code | different colours                                                                                                                              |

## Electrical properties at 20 °C

|                 |           |
|-----------------|-----------|
| Nominal voltage | 1000 V    |
| Test voltage    | 3000 V AC |

## Mechanical and thermal properties

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Minimum bending radius | occasional flexing: 10 x cable diameter<br>fixed installation: 8 x cable diameter                                                     |
| Temperature range      | occasional flexing: -15°C up to +70°C max. conductor temperature<br>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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| Creator: PESA / PDC  | Document: DB4560011SEN | Page 1 of 1 |
| Released: ALTE / PDC | Version: 06            |             |