



### **LiFY**

#### **Application and Description**

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LiFY is highly flexible lead wire, it can be used as super flexible insulated strand wires for switch cabinets, as measuring cable for testing, laboratories, research etc.

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#### **Standard and Approval**

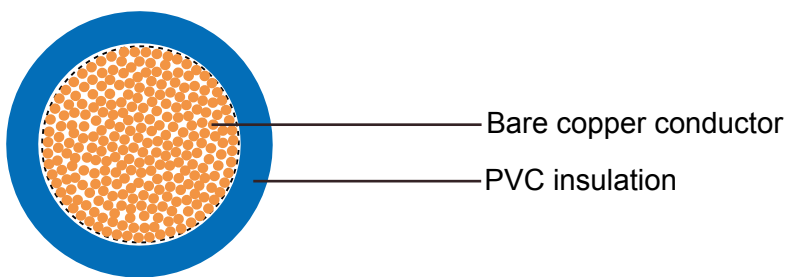
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VDE 0250, VDE 0281, VDE 0295, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

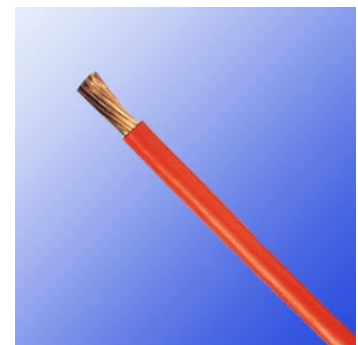
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#### **Cable Construction**

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- Super fine bare copper strands
  - Strands to VDE-0295 Class-6, IEC 60228 CI-6
  - Special PVC core insulation
  - Cores identification to VDE-0293
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LiFY



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### Technical Characteristics

- Working voltage: 1000 V
- Test voltage: 3000 V
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temperature: -15° C to +80° C
- Static temperature: -30° C to +80° C
- Flame retardant: VDE 0472 part 804, test method B, and IEC 60332.1
- Insulation resistance: 10 MΩ x km

### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
26(72/42)	1 x 0.14	1.1	1.4	2.6
24(65/40)	1 x 0.25	1.4	2.5	4.2
20(132/40)	1 x 0.50	2.2	5.5	8
18(195/40)	1 x 0.75	2.4	8	12
17(260/40)	1 x 1.00	2.6	10.8	18
16(192/38)	1 x 1.50	3.3	15	22
14(320/38)	1 x 2.50	3.9	25	37
12(512/38)	1 x 4.00	5.1	40	50
10(768/38)	1 x 6.00	6.5	60	71
8(1280/38)	1 x 10.0	7.5	100	130
6(2048/38)	1 x 16.0	9.1	160	187
4(3234/38)	1 x 25.0	10.8	240	294
2(4508/38)	1 x 35.0	11.9	336	380
1(6468/38)	1 x 50.0	14.9	480	521
2/0(8967/38)	1 x 70.0	17.0	672	740