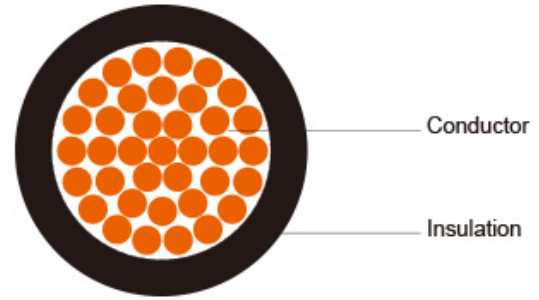


**German Standard Industrial Cables LiY / LiYv / LiYv-t**



**Application and Description**

These PVC insulated stranded hook-up wires are employed in telecommunication systems, toys, sports equipment and general wiring equipment used in electrical engineering to meet stringent demands in terms of high and ultra-high flexibility. They are not permitted to be installed in heavy current applications outside of the equipment.

**Standard and Approval**

VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

**Cable Construction**

- Tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5 and HD383
- Special PVC core insulation, compound YI3 to DIN VDE 0812
- Cores identification to VDE-0293

**Technical Characteristics**

- Working voltage: 0.14 mm<sup>2</sup> 500 V/0.25-1.50 mm<sup>2</sup> 900 V
- Test voltage: 0.14 mm<sup>2</sup> 1200 V/0.25-1.50 mm<sup>2</sup> 2500 V
- Flexing bending radius: 12.5 x Ø
- Static bending radius: 12.5 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C(temporary 105 ° C for LiYv-t)
- 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(18/38)	1 x 0.14	1.1	1.4	3.0
24(14/34)	1 x 0.25	1.3	2.4	4.0
22(19/34)	1 x 0.34	1.4	3.6	5.0
20(16/32)	1 x 0.50	1.8	4.8	8.0
18(24/32)	1 x 0.75	2.0	7.2	10.0
17(32/32)	1 x 1.00	2.1	9.6	13.0
16(30/30)	1 x 1.50	2.6	14.4	19.0
14(30/50)	1 x 2.50	3.4	24.0	31.0

