



Caledonian

Industrial Cables (German Standard)

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LiY / LiYv / LiYv-t



APPLICATIONS

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.

STANDARDS

VDE 0812

VOLTAGE RATING

900V

CABLE CONSTRUCTION

- Plain copper conductor
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5 and HD383
- Special PVC core insulation, compound Y13 to DIN VDE 0812

COLOUR CODE

Insulation Colour Code

Core identification to VDE-0293

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 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

DIMENSION AND PARAMETERS



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No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm ²		mm	kg/km	kg/km
1 × 0.34	22(19/34)	1.4	3.6	5