



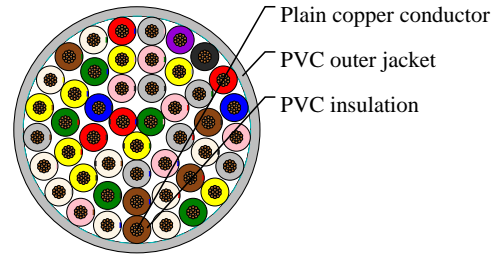
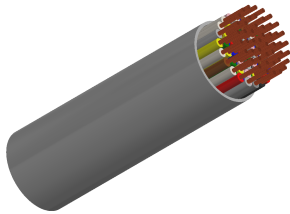
# Caledonian

Industrial Cables (German Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## LiYY PVC Data Cable



## APPLICATIONS

LiYY cables are data transmission cables which have been developed from well proven types based on the specification VDE 0812. For use in flexible or stationary applications under low mechanical stress with free movement without any tensile stress, loads or forced movements in dry, moist and wet conditions. Commonly used as control and signal cables in the electronics of computers systems, electronic control equipment, office machines and measurement devices in the tool making and machine industries. LiYY is recommended when a small outer diameter is required. Not permitted for outdoor use.

## STANDARDS

VDE 0245

VDE 0812

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- PVC outer jacket type TM2 to DIN VDE 0281 part 1

## COLOUR CODE

Insulation Colour Code

Color coded to DIN 47100, but without color repetition

48 cores - White+Brown+Green+Yellow+Gray+Pink+Blue+Red+Black+Violet+Gray/Pink+Red/Blue+White/Green+Brown/Green+White/Yellow+Yellow/Brown+White/Gray+Gray/Brown+White/Pink+Pink/Brown+White/Blue+Brown/Blue+White/Red+Brown/Red+White/Black+Brown/Black+Gray/Green+Yellow/Gray+Pink/Green+Yellow/Pink+Green/Blue+Yellow/Blue+Green/Red+Yellow/Red+Green/Black+Yellow/Black+Gray/Blue+Pink/Blue+Gray/Red+Pink/Red+Gray/Black+Pink/Black+Blue/Black+Red/Black+White/Brown/Black+Yellow/Green/Black+Green/Pink/Black+Red/Blue/Black

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200/2000 volts



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- Minimum bending radius:  $4 \times \varnothing$
- Flexing temperature:  $-5^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Static temperature:  $-30^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Short circuit temperature:  $+160^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	kg/km	kg/km
48 × 0.25	24(14/34)	12.7	115	245