



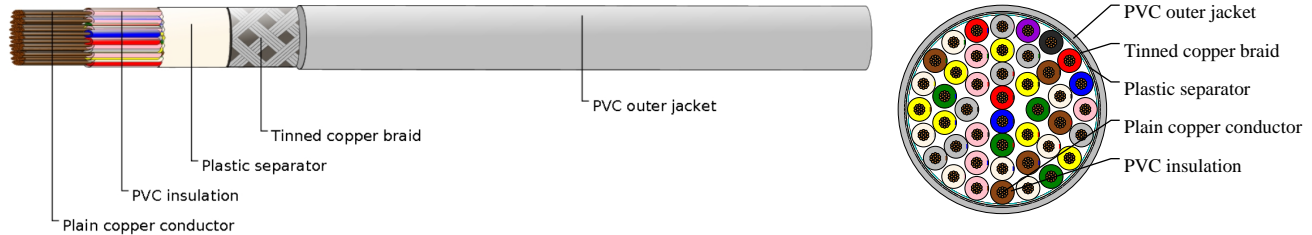
Caledonian

Industrial Cables (German Standard)

www.caledonian-cables.com

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LiYCY



APPLICATIONS

LiYCY screened cables are suitable for flexible use with free movement, but without tensile stress or forced movements in dry wet and moist areas but are not suitable for open air application. LiYCY cables are ideal whenever construction requirements call for minimal outer diameter such as areas of tool making, machine industry, eletrotechnics, computers, measuring and controlling technics. The extremely small outer diameter makes the cable also suitable for miniature plugs.

STANDARDS

VDE 0245

VDE 0812

VOLTAGE RATING

250V

CABLE CONSTRUCTION

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation to DIN VDE 0281 part 1
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket to DIN VDE 0281 part 1

COLOUR CODE

Insulation Colour Code

Color coded to DIN 47100, but without color repetition

44 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

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200/1500 volts



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- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | AWG Size | Approx. Overall Diameter | Nominal Copper Weight | Approx. Weight |
|--|-----------|-----------------------------|--------------------------|----------------|
| No. ×mm ² | | mm | kg/km | kg/km |
| 44x0.25 | 24(14/34) | 13.3 | 165 | 292.1 |