# Caledonian

Industrial Cables (German Standard)

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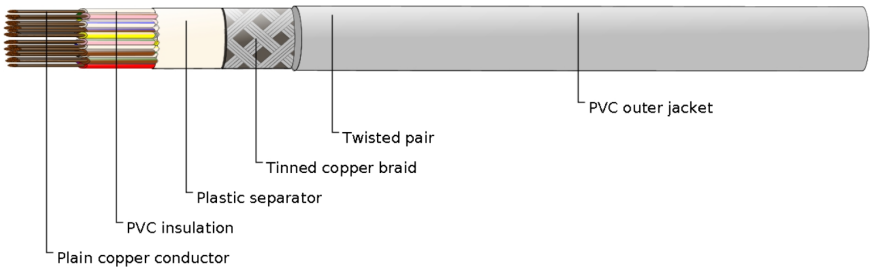
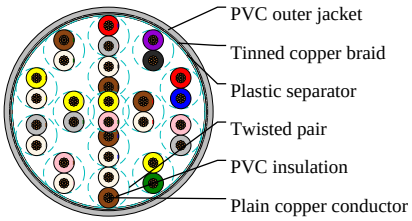
## LiYCY TP




## APPLICATIONS

LiYCY TP twisted cable is used 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. It is commonly used as control and signal cable in the electronics of computer systems, electronic control equipment, office machines and measurement devices in the tool making and machine industries. The twisted pair construction reduces interference (crosstalk) within the cable while the tinned copper braid shield offers optimum protection from electrical and electromagnetic interference.

## STANDARDS

VDE 0812
VDE 0814

## 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
15 Pairs - White_Brown+Green_Yellow+Grey_Pink+Blue_Red+Black_Violet+Grey/Pink_Red/Blue +White/Green_Brown/Green+White/Yellow_Yellow/Brown+White/Grey_Grey/Brown+White/Pink_Pink/Brown +White/Blue_Brown/Blue+White/Red_Brown/Red+White/Black_Brown/Black+Grey/Green_Yellow/Grey +Pink/Green_Yellow/Pink

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200 volts
- Minimum bending radius: 5 x Ø
- Flexing temperature: -5º C to +70º C
- Static temperature: -30º C to +70º 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.×mm² | | mm | kg/km | kg/km |
| 15x2x0.25 | 24(14/34) | 12.5 | 134 | 225 |