



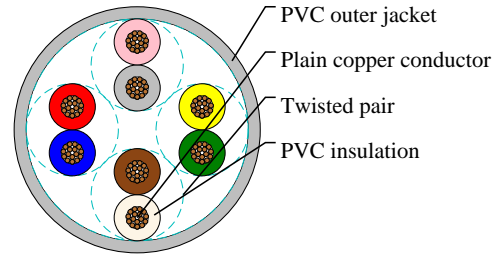
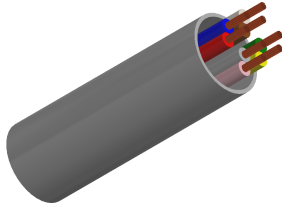
# Caledonian

Industrial Cables (German Standard)

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## LiYY TP



## APPLICATIONS

LiYY TP is 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 TP is recommended in areas where there are short runs in tight spaces and require a small outer diameter and bending radius. The twisted pair construction reduces interference within the cable. In many applications, no additional shield is necessary. Not permitted for outdoor use.

## 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 type T12 to DIN VDE 0281 part 1
- Cores twisted into pairs, pairs twisted into layers
- 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

4 Pairs - White\_Brown+Green\_Yellow+Grey\_Pink+Blue\_Red

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +80° C
- Static temperature: -30° C to +80° C



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- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

## DIMENSION AND PARAMETERS

| No. of Cores ×<br>Cross-sectional Area | AWG Size  | Approx. Overall<br>Diameter | Nominal<br>Copper Weight | Approx. Weight |
|--|-----------|-----------------------------|--------------------------|----------------|
| No. ×mm <sup>2</sup>                   |           | mm                          | kg/km                    | kg/km          |
| 4x2x0.5                                | 20(16/32) | 8.7                         | 38.4                     | 115            |