Caledonian

Industrial Cables (German Standard)

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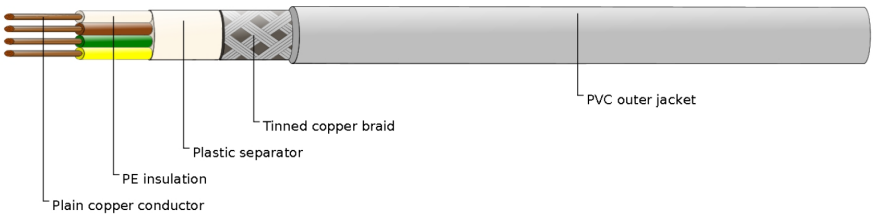
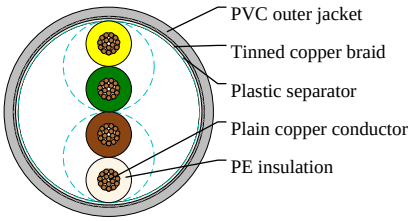
Li2YCY TP





APPLICATIONS

The PE-insulated data cable is designed for computer application and data transmission. It is specially designed for wiring data systems with transmission rates up to 10MB/s, eg. for interfaces of types RS 422, RS 485. The twisted pair lay-up prevents electrical unbalances within the cable and this effectively suppresses cross-talk effect. It is designed for limited flexible use as well as for fixed installation in dry and damp interiors. Yv version reinforced with a black outer sheath suitable for outdoor and indoor use as well as for direct burial.

VOLTAGE RATING

250V

CABLE CONSTRUCTION

- Plain copper conductor
- 7-wires strands to DIN VDE 0881, Suitable for Termi-Point and solder-free connection technique
- PE core insulation type 2YI1 to DIN VDE 0207 part 2
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket type YM2 grey to DIN VDE 0207 part 5

COLOUR CODE

Insulation Colour Code
Color coded to DIN 47100 with color repetition
2 Pairs - White_Brown+Green_Yellow

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: Conductor to conductor 2000 V
  Conductor to shield 1000 V
- Minimum bending radius: 7.5 x Ø
- Flexing temperature: -5º C to +70º C
- Static temperature: -30º C to +80º C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 5GΩ x km
- Impedance: 100 Ω + 15Ω

- Mutual capacitance at 800 Hz: max. 60 nF/km
- Loop resistance: max. 160 Ohm/km
- Inductance: approx. 0.66 mH/km
- Cross-Talk Attenuation: Up 1 MHz min. 50 dB / Up 10 MHz min. 40 dB

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
2x2x0.5	20(7/28)	10.1	73.1	139