Caledonian

Industrial Cables (German Standard)

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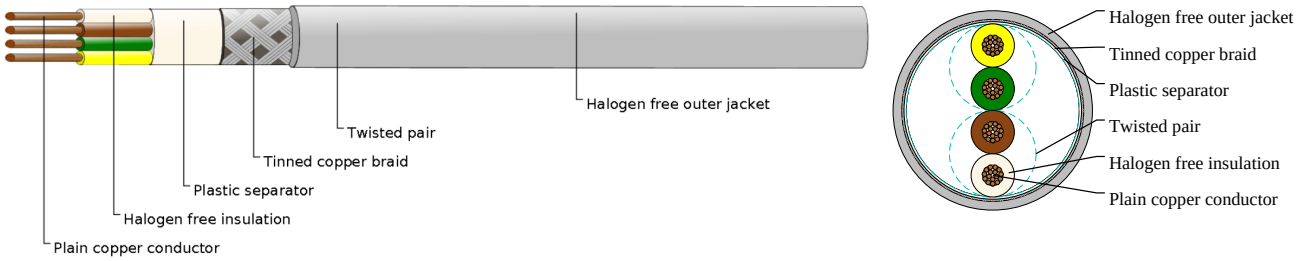
LiHCH TP



APPLICATIONS

LiHCH 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 connecting cable for signal, measuring, control, call-announcing and two-way intercom systems, clock installations, electronic weighing machines and electrical apparatus for office use. The halogenfree thermoplastic jacket is flame retardant and will give off no corrosive or toxic gases in the case of fire. Commonly installed in public buildings, laboratories, trading and transportation centers. The twisted pair design will reduce internal interference (crosstalk) while the tinned copper braid shield offers added protection and interference-free signal and data transfers. Not permitted for outdoor use.

STANDARDS

VDE 0482 part 267
VDE 0812

VOLTAGE RATING

250V

CABLE CONSTRUCTION

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl.5
- Halogen free core insulation
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- Halogen free outer jacket

COLOUR CODE

Insulation Colour Code
Color coded to DIN 47100, but without color repetition
2 Pairs - White_Brown+Green_Yellow

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200 volts

- Minimum bending radius: 5 x Ø
- Flexing temperature: -5º C to +70º C
- Static temperature: -40º C to +70º C
- Flame retardant: IEC 60332.1-2
- Mutual capacitance:
  Conductor to conductor: 80 nF/km
  Conductor to shield: 120 nF/km
- Halogen free: DIN EN 50267/IEC 60754
- Smoke density: DIN EN50268/IEC 61034
- 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
2x2x0.5	20(16/32)	7.2	39.3	66