



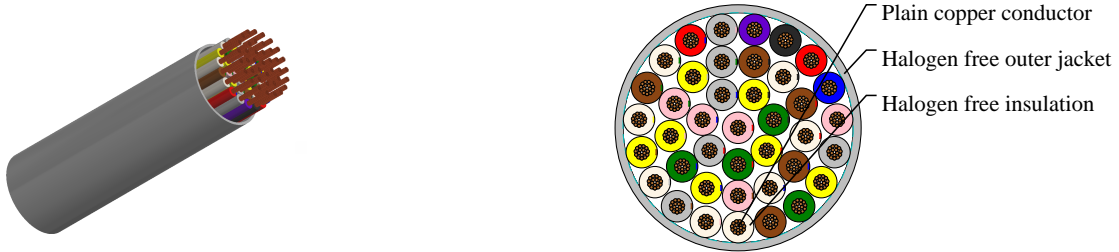
# Caledonian

Industrial Cables (German Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## LiHH



## APPLICATIONS

LiHH cable 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. Not permitted for outdoor use.

## STANDARDS

VDE 0482 part 267

VDE 0812

## VOLTAGE RATING

350V

## CABLE CONSTRUCTION

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl.5
- Halogen free core insulation
- Halogen free outer jacket

## COLOUR CODE

Insulation Colour Code

Color coded to DIN 47100, but without color repetition

40 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

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1200 volts



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- Minimum bending radius:  $4 \times \varnothing$
- Flexing temperature:  $-5^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Static temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1-2
- Halogen free: DIN EN 50267/IEC 60754
- Smoke density: DIN EN 61034/IEC 61034
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	kg/km	kg/km
40×0.5	20(16/32)	15.2	192	365