



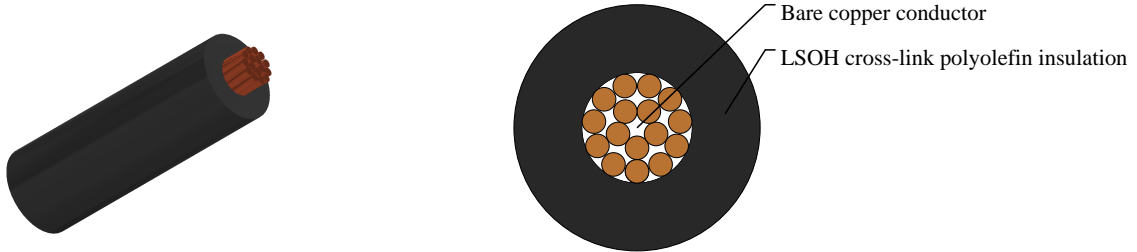
# Caledonian

Industrial Cables (Harmonized code)

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

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

## H05Z-K



## APPLICATIONS

These cables are designed for the internal wiring of switchboards and distributor boards with an alternating nominal voltage up to 1000 Volts or a direct voltage up to 750 volts. Generally install in pipes or ducts and internal wiring of appliances with maximum operating temperature of 90° C, and generally in areas (such as public and government buildings) where smoke and toxic fumes may cause a threat to life and equipment. The cables produce no corrosive gasses when burnt which is particularly important where electronic equipment is installed.

## STANDARDS

<HAR> HD 22.9 S2

VDE-0282 Part-9

BS 7211

IEC 60754-2

EN 50267

VDE 0482-267

CE Low Voltage Directive 73/23/EEC and 93/68/EEC

ROHS compliant

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5 BS 6360 cl. 5, HD 383
- Cross-link polyolefin EI5 core insulation
- LSOH - low smoke, zero halogen

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308/HD308/NF C 32-081

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

## PHYSICAL AND THERMAL PROPERTIES



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- Test voltage: 2500 volts
- Flexing bending radius:  $8 \times \varnothing$
- Static bending radius:  $8 \times \varnothing$
- Flexing temperature:  $-15^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Static temperature:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $10\text{ M}\Omega \times \text{km}$
- Smoke density acc. to EN 50268 / IEC 61034
- Corrosiveness of combustion gases acc. to EN 50267-2-2, IEC 60754-2
- Flame test: flame-retardant acc. to EN 50265-2-1, IEC 60332.1

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	mm	kg/km	kg/km
1 x 0.5	20(16/32)	0.6	2.3	4.8	9