



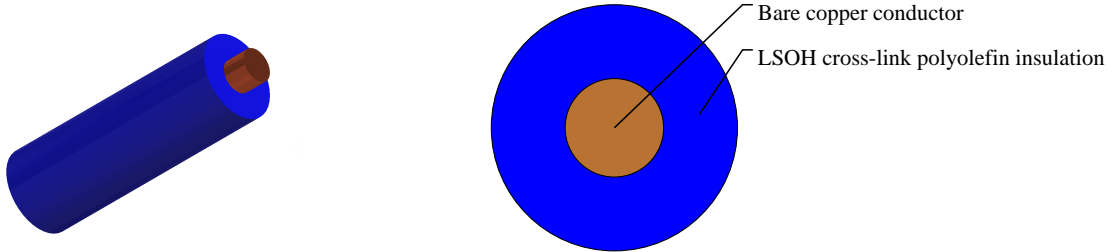
Caledonian

Industrial Cables (German Standard)

www.caledonian-cables.com

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H05Z-U



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

HD 22.9 S2

VDE-0282 Part-9

BS 7211

IEC 60754-2

EN 50267

VDE 0482-267

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

- Solid bare copper single wire to IEC 60228 Cl-1
- Cross-link polyolefin EI5 core insulation
- LSOH - low smoke, zero halogen

COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293

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

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 10 x Ø



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- Flexing temperature: +5° C to +90° C
- Short circuit temperature: +250° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm ²		mm	mm	kg/km	kg/km
1 x 0.5	20	0.6	2.0	4.8	8