



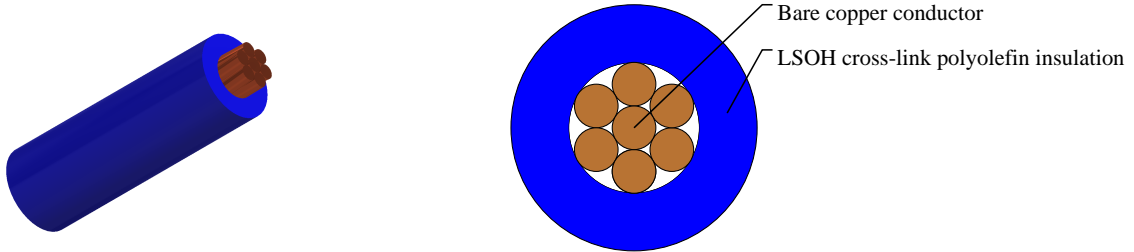
Caledonian

Industrial Cables (Harmonized code)

www.caledonian-cables.com

marketing@caledonian-cables.com

H07Z-R



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

450/750V

CABLE CONSTRUCTION

- Bare copper strands to IEC 60228 CI-2
- Cross-link polyolefin EI5 core insulation
- Cores to VDE-0293 colors
- 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



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- Test voltage: 2500 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 10 x Ø
- 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 1.5 | 16(7/24) | 0.7 | 3.0 | 14.4 | 21 |