



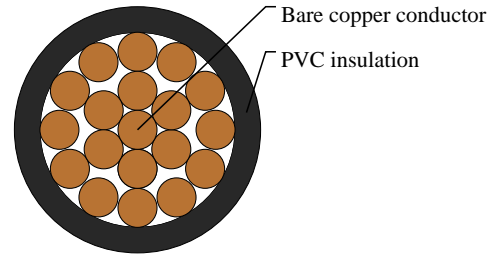
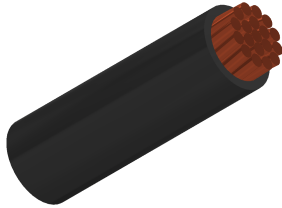
# Caledonian

Industrial Cables (Harmonized code)

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

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## H07V-K



## APPLICATIONS

These are not suitable to be installed for laying in tubes, under and surface mounting of plaster and also in closed installation conduits. These are not allowed to install for direct laying on cable trays, channel or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.

## STANDARDS

<HAR> HD 21.3 S3

VDE-0281 Part-3

CEI 20-20

CEI20-52

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

ROHS compliant

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Special PVC T11 core insulation
- Cores to VDE-0293 colors on chart

## 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

- Test voltage: 2500 volts
- Flexing bending radius: 12.5 x Ø
- Static bending radius: 12.5 x Ø



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- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | AWG Size     | Nominal<br>Insulation<br>Thickness | Approx. Overall<br>Diameter | Nominal<br>Copper Weight | Approx. Weight |
|--|--------------|------------------------------------|-----------------------------|--------------------------|----------------|
| No. × mm <sup>2</sup>                      |              | mm                                 | mm                          | kg/km                    | kg/km          |
| 1 x 70                                     | 2/0 (356/24) | 1.4                                | 15.5                        | 672                      | 730            |