



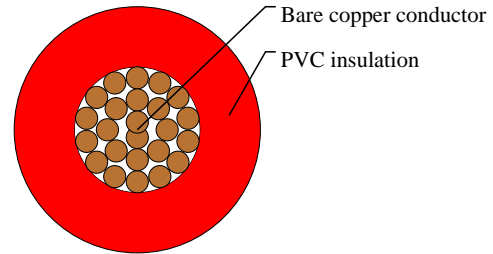
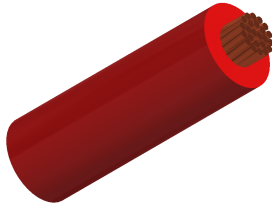
# Caledonian

Industrial Cables (German Standard)

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

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## H05V2-K



## APPLICATIONS

These special heat-resistant flexible single-conductor hook-up wires are ideal for use in power current installation, switch cabinets, motors and transformers which are subject to direct contact with high temperature (e.g. varnishing machines and drying towers etc.). These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus.

## STANDARDS

HD 21.7 S2

VDE-0281 Part-7

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5, BS 6360 cl. 5 and HD 383
- Special heat resistant PVC TI3 core insulation to DIN VDE 0281 part 7

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293 colors

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

## PHYSICAL AND THERMAL PROPERTIES

- Working voltage: - Test voltage: 2000 volts
- Flexing bending radius: 10-15 x Ø
- Static bending radius: 10-15 x Ø
- Flexing temperature: +5° C to +90° C
- Static temperature: -10° C to +105° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

## DIMENSION AND PARAMETERS



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| 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 0.75                                   | 18(24/32) | 0.6                                | 2.7                         | 7.2                      | 11.9           |