



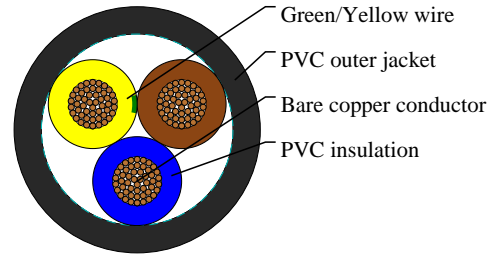
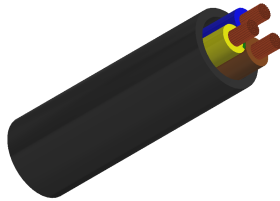
# Caledonian

Industrial Cables (German Standard)

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

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## H05V2V2-F



## APPLICATIONS

These cables are suitable for domestic premises, kitchen, office for light service or light portable apparatuses. With their special insulation and sheath compounds these cables are adapted for apparatus in kitchen and heating and for use in zones with high temperature (like lighting system apparatuses) without contact with warm parts and radiations. Unsuitable for outdoor use, in industrial and agricultural buildings or non-domestic portable tools. The maximum conductor temperature in normal use: 90°C. While high temperature use, skin contact must be avoided.

## STANDARDS

HD 21.12

HD 308 S2

DIN VDE 0281 part 1, part 12

DIN VDE 0293 part 308

DIN VDE 0295

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Bare copper fine wire conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation T13 to VDE-0281 Part 1
- Green-yellow grounding (3 conductors and above)
- PVC outer jacket TM3

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308

3 cores (G) - Green-Yellow + Brown + Blue

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000 volts
- Flexing bending radius: 15 x Ø



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- Static bending radius:  $4 \times \varnothing$
- Flexing temperature:  $+5^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Static temperature:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Short circuit temperature:  $+160^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-sectional Area | AWG Size  | Nominal Insulation Thickness | Nominal Sheath Thickness | Approx. Overall Diameter | Nominal Copper Weight | Approx. Weight |
|--|-----------|------------------------------|--------------------------|--------------------------|-----------------------|----------------|
| No. × mm <sup>2</sup>                  |           | mm                           | mm                       | mm                       | kg/km                 | kg/km          |
| 3×2.50                                 | 14(50/30) | 0.8                          | 1.1                      | 10                       | 72                    | 163            |