



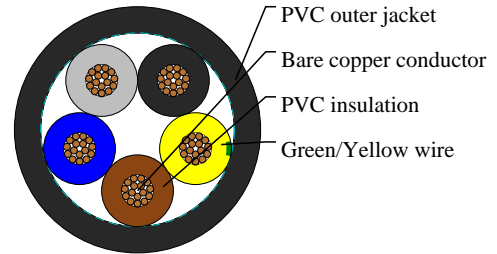
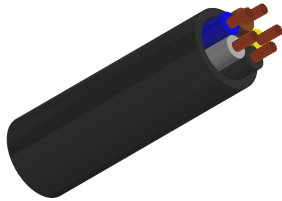
# Caledonian

Industrial Cables (Harmonized code)

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

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

H05VV5-F



## APPLICATIONS

These cables are suitable for dry, damp and wet locations but not in the open-air. They are used as screened termination and connection cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies. Suitable as a signal and impulse cable for control and inspection of industrial plants, machinery and working processes.

## STANDARDS

<HAR> HD 21.13 S1  
VDE-0281 Part-13  
CEI 20-20/13  
CEI 20-35 (EN60332-1)  
CEI 20-52  
UL 2464

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- PVC insulation T12 to DIN VDE 0281 part 1
- Green-yellow grounding (3 conductors and above)
- Cores to VDE-0293 colors
- PVC sheath TM5 to DIN VDE 0281 part 1

## COLOUR CODE

Insulation Colour Code  
Colour coded to VDE 0293  
5 cores (G) - Green-Yellow + Blue + Brown + Black + Grey

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000volts



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- Flexing bending radius:  $7.5 \times \varnothing$
- Static bending radius:  $4 \times \varnothing$
- Flexing temperature:  $-5^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Static temperature:  $-40^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Short circuit Temperature:  $+150^{\circ} \text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $20 \text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × 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
4 × 0.5	20(16/32)	0.6	0.8	7.3	24	80