



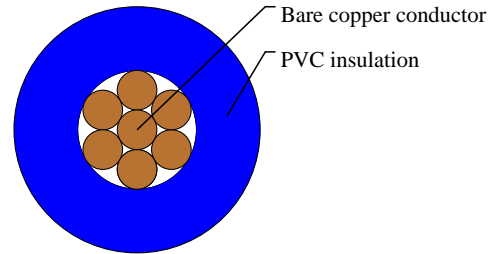
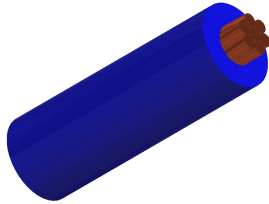
# Caledonian

Industrial Cables (German Standard)

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

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## H05V-R



## APPLICATIONS

These cables are preferably for installation indoors, in cable ducts and in industrial plants or switching stations, under ground installation. Can be used in switchboards and distributor boards or where a thicker strand of multi-wire is required. Found in electronic and electrical equipment and switchgear cabinets designed for export to a European country and for MRO replacement of European made equipment wire.

## STANDARDS

HD 21.3 S3

VDE-0281 Part-3

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Bare copper solid/strands conductor
- Strands to VDE-0295 Class-2, IEC 60228 CI-2
- Special PVC T11 core insulation

## 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

- Test voltage: 2000 volts
- Flexing bending radius:  $15 \times \varnothing$
- Static bending radius:  $15 \times \varnothing$
- Flexing temperature:  $-5^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Static temperature:  $-30^{\circ} \text{C}$  to  $+80^{\circ} \text{C}$
- Short circuit temperature:  $+160^{\circ} \text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $10 \text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS



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No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No.×mm <sup>2</sup>		mm	mm	kg/km	kg/km
1 x 0.75	18(7/27)	0.6	2.4	7.2	12