



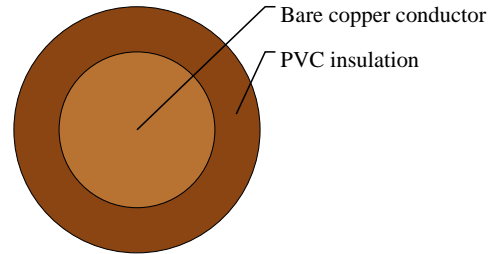
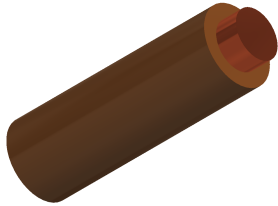
# Caledonian

Industrial Cables (Harmonized code)

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

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

## H07V2-U



### APPLICATIONS

These cables are for fixed protected installation inside appliances and in, or on, lighting fittings. Suitable for installation in surface mounted or embedded conduits, only for signalling and control circuits. Maximum conductor temperature in normal use 90°C. Not to be used in contact with object higher than 85°C. Not suitable for fixed distribution system.

### STANDARDS

<HAR> HD 21.7 S2

VDE-0281 Part-7

CEI 20-20/7

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

ROHS compliant

### VOLTAGE RATING

450/750V

### CABLE CONSTRUCTION

- Solid bare copper single wire
- Solid to DIN VDE 0281-3, HD 21.3 S3 and IEC 60227-3
- Special PVC T13 ore insulation
- Cores to VDE-0293 colors on chart

### 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: 2500V
- Flexing bending radius: 15 x Ø
- Static bending radius: 15 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C



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- 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 6                                      | 10       | 0.8                                | 4.5                         | 58.0                     | 69             |