



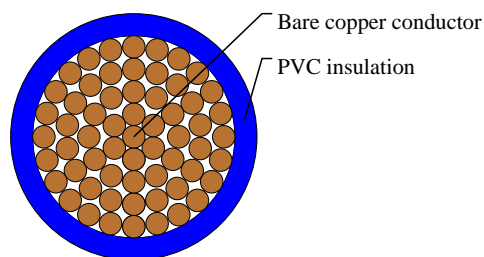
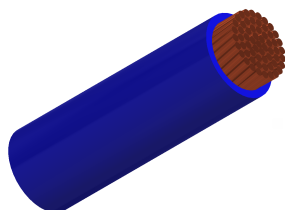
# Caledonian

Industrial Cables to British Standard

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

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6491X to BS 6004(New BS EN 50525-2-31)



## APPLICATIONS

These cables are designed for use as fixed wiring in domestic, Industrial power and lighting applications such as light fittings, appliances, switchgear and control gear, they can be used in conduit or trunking or surface mounted when used as an earth. 6491X is equivalent to H07V-R. The heatresistant version is ideal for use in installation which are subject to direct contact with high temperature equipments (e.g. varnishing machines and drying towers etc.).

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Bare copper made of solid/strands conductor
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2(H07V-R)
- Special PVC T11 core insulation

## COLOUR CODE

Green/Yellow, Black, Blue, Brown, Red, White, Grey, Violet

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 volts
- Minimum bending radius:
  - Up to 10mm<sup>2</sup>: 3xoverall diameter
  - 10mm<sup>2</sup> to 25mm<sup>2</sup>: 4xoverall diameter
  - Above 25mm<sup>2</sup>: 5xoverall diameter
- Operating temperature: 0° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩxkm

## DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
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No. x mm <sup>2</sup>		mm	mm	kg/km	kg/km
1x240	500MCM	2.2	22.9	2304	2360