



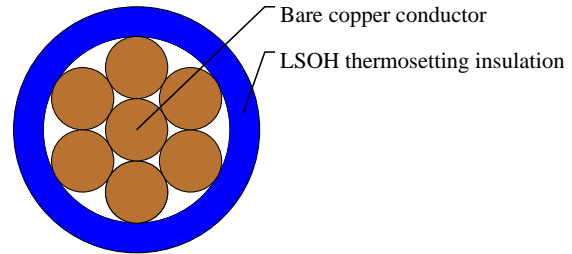
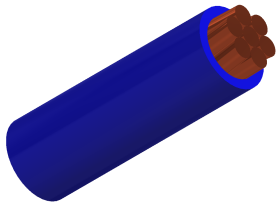
## Caledonian

Industrial Cables to British Standard

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

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### 6491B to BS 7211 (New BS EN 50525-3-41)



### APPLICATIONS

These cables are designed for fixed wiring purposes in domestic and industrial power/lighting applications. They can be used in trunking or conduit, or may be surface mounted when used for earthing. and they are generally in areas (such as public and government buildings) where smoke and toxic fumes may cause a threat to life and equipment. The cables produce no corrosive gasses when burnt and which is particularly important where electronic equipment is installed. 6491B is equivalent to harmonized code H07Z-R.

### VOLTAGE RATING

450/750V

### CABLE CONSTRUCTION

- Bare copper made of solid/strands conductor
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2(H07Z-R)
- LSOH thermosetting core insulation type EI5

### COLOUR CODE

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

### PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 volts
- Minimum bending radius: up to 10 mm<sup>2</sup> - 3xoverall diameter, above 25 mm<sup>2</sup> - 6xoverall diameter
- Operating temperature: +0° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 10 MΩxkm
- Halogen free acc. to EN 50267-2-1 / IEC 60754-1
- Smoke density acc. to EN 50268-2 / IEC 61034-2
- Corrosivity of gases acc. to EN 50267-2-2, IEC 60754-2
- Flame retardancy acc. to EN 50265-2-1, IEC 60332-1

### DIMENSION AND PARAMETERS



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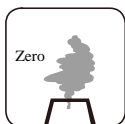
No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	mm	kg/km	kg/km
1×35	2(7/10)	1.2	9.3	336	360



BS EN 50525-3-41



Flame Retardancy  
IEC 60332-1-2



Zero  
Halogen Free  
IEC 60754-1



Low Corrosivity  
IEC 60754-2



Low Smoke Emission  
IEC 61034-2