



# Caledonian

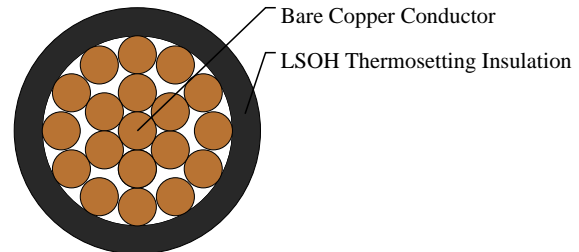
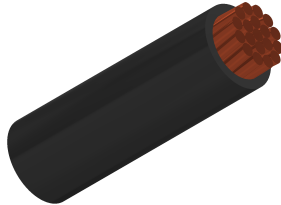
BS 7211 LSOH Sheathed Cables

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

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## 6491B Conduit Wiring Cable

1AWG



### APPLICATIONS

6491B is equivalent to harmonized code H07Z-R, these cables are designed for fixed wiring purposes in domestic and industrial power/lighting applications. Can be used in trunking or conduit, or may be surface mounted when used for earthing. and 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 which is particularly important where electronic equipment is installed.

### FIRE PERFORMANCE

Flame retardant	IEC 60332-1
Smoke density	EN 50268 / IEC 61034
Corrosiveness of combustion gases	EN 50267-2-2, IEC 60754-2
Flame test: flame-retardant	EN 50265-2-1, IEC 60332-1

### VOLTAGE RATING

450/750V

### CABLE CONSTRUCTION

Fine bare copper strands

Strands to IEC 60228 Cl-2

Thermosetting core insulation type EI5

LSOH - low smoke, zero halogen

### COLOUR CODE

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

### Electrical Properties

Working voltage: 450/750V

Test voltage: 2500V

Minimum bending radius: up to 10 mm<sup>2</sup> - 3 x overall diameter, above 25 mm<sup>2</sup> - 6 x overall diameter

Flexing temperature: +0° C to +90° C

Short circuit temperature: +250° C



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Insulation resistance: 10 M $\Omega$  x km

## DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Nom. Overall Diameter	Nominal Copper Weight	Approx. Weight	Min. Insulation Resistance at 90 °C
No. × mm <sup>2</sup>		mm	mm	kg/km	kg/km	M $\Omega$ × km
1x50	1(19/13)	1.4	10.6-13.2	480	534	0.0043