



# Caledonian

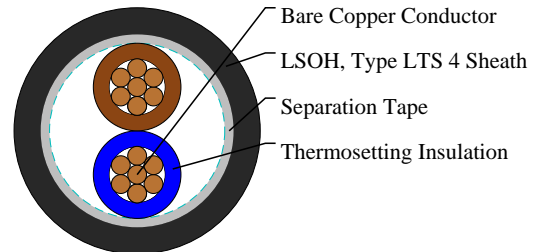
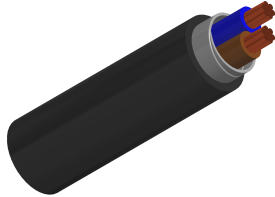
BS 7211 LSOH Sheathed Cables

www.caledonian-cables.com

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## Thermosetting insulated, twin circular sheathed cables

2C4



## APPLICATIONS

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 |

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to IEC 60228 Cl-2
- Thermosetting core insulation type EI5 or GP 8
- The cores shall be twisted together. A centre filler may be used.
- The twisted core shall be covered by an extruded inner covering or separating tape
- LSOH sheath, type LTS 4

## COLOUR CODE

Insulation Colour

Twin: brown and blue

## Electrical Properties

- Working voltage: 450/750v
- Test voltage: 2500 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 10 x Ø



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- Flexing temperature: -25° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 10 MΩ x km

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional<br>Area | AWG Size | Nominal<br>Insulation<br>Thickness | Nominal<br>Thickness<br>of Inner<br>Covering | Nominal<br>Sheath<br>Thickness | Nom.<br>Overall<br>Diameter | Approx.<br>Weight | Min.<br>Insulation<br>Resistance<br>at 90 °C |
|---|----------|------------------------------------|--|--------------------------------|-----------------------------|-------------------|--|
| No. × mm <sup>2</sup>                         |          | mm                                 | mm   | mm                             | mm                          | kg/km             | MΩ × km                                      |
| 2×4   | 12(7/20) | 0.7                                | 0.4  | 1.2                            | 10.3-12.4                   | 232               | 0.007  |