



# Caledonian

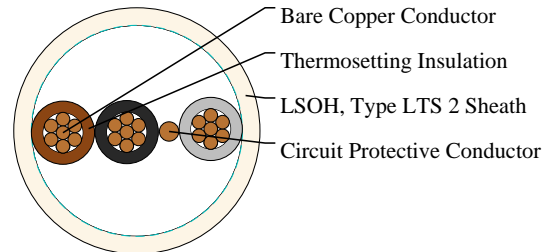
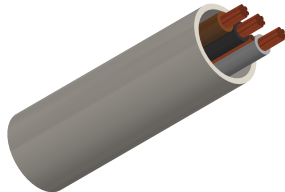
BS 7211 LSOH Sheathed Cables

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## 6243B LSOH Flat Wiring Cables with circuit protective conductor

3C6



### APPLICATIONS

These cables are suitable for fixed installation particularly for situations in which low emission smoke and domestic wiring cable for the surface wiring of sockets and lighting where fire, smoke emission and toxic fumes create a potential threat to life and equipment. Can be installed in fixed installations in dry or damp premises on walls, boards or trays, in channels or embedded in plaster. Suitable for laying in conduit or trunking where mechanical protection is required.

### 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
- For 3 cores, the protective conductor centrally placed between black and grey cores in same plane
- LSOH sheath, type LTS 2

### COLOUR CODE

Insulation Colour

3-core: brown, black (centre core) and grey

### Electrical Properties

- Working voltage: 300/500v
- Test voltage: 2000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 10 x Ø
- Flexing temperature: +5° C to +90° C



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- Short circuit temperature: +250° C
- Insulation resistance: 10 MΩ x km

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Circuit Protective Conductor	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter (Lower Limit)	Approx. Overall Diameter (Upper Limit)	Approx. Weight	Min. Insulation Resistance at 90 °C
No. × mm <sup>2</sup>		AWG	mm	mm	mm	mm	kg/km	MΩ × km
3x6	10(7/18)	14	0.7	1.1	6.2x16.2	7.5x19.5	291	0.0059