



# Caledonian

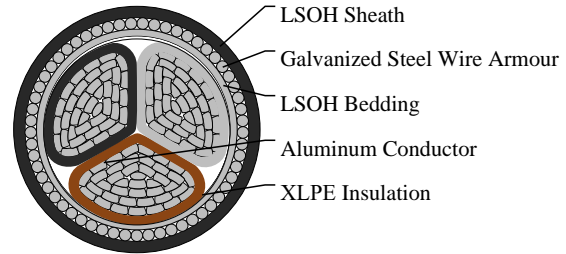
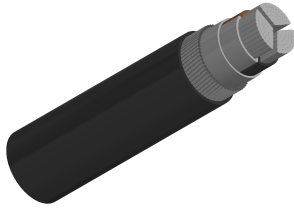
BS 6724 Cables

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## BS 6724 Armoured Power Cables, 1900/3300V

Three-core 1900/3300V cables with solid aluminum conductors  
3C150



### APPLICATIONS

These cables are used for power and control circuits, they can offer excellent protection through the use of a heavy galvanized steel wire armour. The GSWA makes them suitable for use inside and outside buildings or for direct burial in the ground. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment.

### STANDARDS

BS 6724

### FIRE PERFORMANCE

|                 |   |
|-----------------|---|
| Flame Retardant | BS EN 60332-1-2 ; BS EN 60332-3-24:2009 |
| Halogen Free    | BS EN 60754-1                           |
| Smoke Density   | BS EN 61034-2                           |

### VOLTAGE RATING

1900/3300V

### CABLE CONSTRUCTION

Conductor: Solid Aluminum conductor, shaped, Class 1 to BS EN60228.

Insulation: XLPE (Cross-Linked Polyethylene) Type GP 8 conforming to BS 7655-1.3 or type GP6 conforming to BS 7655-1.2.

Bedding: The bedding shall consist of an extruded layer of polymeric material consistent with the operating temperature of the cable.

Armour: SWA (Galvanized steel Wire Armour)

Outer Sheath: LSOH (Low Smoke Zero Halogen), conforming to BS 7655-6.1.

### COLOUR CODE

Insulation Colour: Brown, Black, Grey

### PHYSICAL AND THERMAL PROPERTIES



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Temperature rating: 0°C to +90°C

Bending radius:

1.5mm<sup>2</sup> to 16mm<sup>2</sup>: 6 x overall diameter

25mm<sup>2</sup> and above: 8 x overall diameter

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | Nominal<br>Insulation<br>Thickness | Nominal<br>Bedding<br>Thickness | Nominal<br>Sheath<br>Thickness | Nominal Steel<br>Wire Armour<br>Diameter | Approx.<br>Overall<br>Diameter | Approx.<br>Weight |
|--|------------------------------------|---------------------------------|--------------------------------|--|--------------------------------|-------------------|
| No.×mm <sup>2</sup>                        | mm                                 | mm                              | mm                             | mm                                       | mm                             | kg/km             |
| 3x150 Shaped                               | 2                                  | 1.4                             | 2.4                            | 2.5                                      | 45.6                           | 5410              |