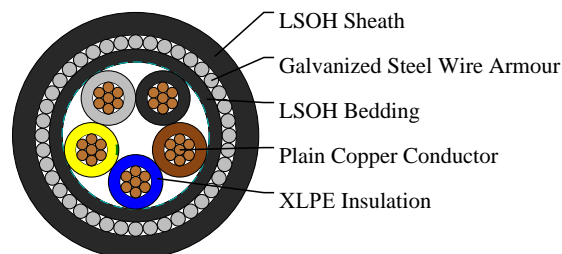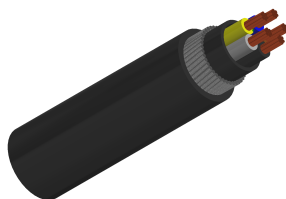# Caledonian

BS 6724 Cables

www.caledonian-cables.com   marketing@caledonian-cables.com

BS 6724 Armoured Power Cables, 600/1000V

Five-core 600/1000V cables with stranded copper conductors
5C2.5

- LSOH Sheath
- Galvanized Steel Wire Armour
- LSOH Bedding
- Plain Copper Conductor
- XLPE Insulation

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 Retardance	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

600/1000V

CABLE CONSTRUCTION

Conductor: Copper conductor, circular stranded Class 2 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:Green-yellow, Blue, Brown, Black, Grey

PHYSICAL AND THERMAL PROPERTIES

Caledonian

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Temperature rating: 0°C to +90°C

Bending radius:

1.5mm² to 16mm²: 6 x overall diameter

25mm² and above: 8 x overall diameter

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	No./ Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Sheath Thickness	Nominal Steel Wire Armour Diameter	Approx. Overall Diameter (Extruded Bedding)	Approx. Overall Diameter (Taped Bedding)	Approx. Weight
No.×mm²	no./mm	mm	mm	mm	mm	mm	mm	kg/km
5x2.5	7/0.68	0.7	0.8	1.4	0.9	16.1	--	545