



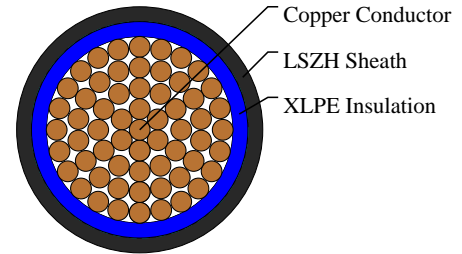
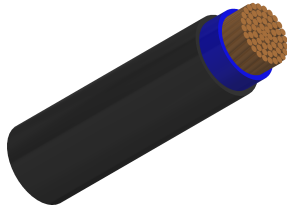
# Caledonian

BS 8573 600/1000V XLPE Insulation LSZH Sheath Cables

www.caledonian-cables.com

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## Single Core 600/1000V XLPE Insulation, LSZH Sheath Cables to BS 8573 1C300



### APPLICATIONS

These XLPE insulated and LSZH sheathed cables are generally used for fixed installation. Suitable for building wiring, especially in areas where smoke and fume emissions may cause a potential threat to life but not for burial in the ground, either directly or in ducts.

### STANDARDS

Basic design to BS 8573:2012

### FIRE PERFORMANCE

Flame Retardance (Single Vertical Wire Test)	BS EN 60332-1-2:2004
Reduced Fire Propagation (Vertically-mounted bundled wires & cable test)	BS EN 60332-3-24:2009 (cat. C)
Halogen Free	BS EN 50267-2-1
Minimum Smoke Emission	BS EN 61034-2
Spark Test	BS EN 62230

### VOLTAGE RATING

600/1000V

### CABLE CONSTRUCTION

Conductor: Annealed copper conductor, strand according to BS EN 60228 class 2.

Insulation: XLPE type GP8 according to BS 7655-1.3. HEPR type GP6 according to BS 7655-1.2, or crosslinked polyolefin material type EI 5 according to BS EN 50363-5 can be offered as option.

Inner Covering option: The laid up cores may be covered by an optional extruded inner covering or separating tape. It shall be possible to separate the cores easily.

Outer Sheath: Thermoplastic LSZH type LTS 4 according to BS 7655-6.1.

Outer Sheath option: UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option.

### COLOUR CODE

Insulation Colour: Brown or blue



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Sheath Colour: Black, other colours can be offered upon request.

## PHYSICAL AND THERMAL PROPERTIES

Maximum temperature range during operation (XLPE): 90°C

Maximum short circuit temperature (5 Seconds): 250°C

Minimum bending radius:

Circular copper conductors(up to 25mm<sup>2</sup>): 4 x Overall Diameter

Circular copper conductors(above 25mm<sup>2</sup>): 6 x Overall Diameter

Shaped copper conductors: 8 x Overall Diameter

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Class	Nominal Insulation Thickness	Nominal Thickness of Inner Covering	Nominal Sheath Thickness
No.×mm <sup>2</sup>		mm	mm	mm
1x300	2	1.8	1.0	1.8



Rated voltage



BS 8573