



## Contact Us:

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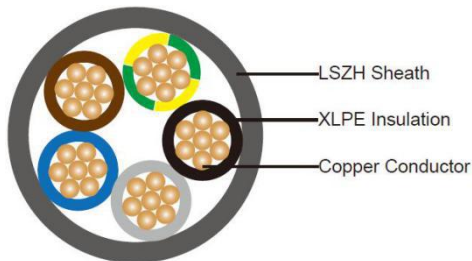
# Five-core 600/1000V XLPE Insulation, LSZH Sheath Cables to BS 8573

## 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



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## 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, cross linked 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 antitermite properties can be offered as option.

## Colour Code

Insulation Colour: Green and yellow, blue, brown black, grey.

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

## Construction Parameters

Conductor		Nominal Insulation Thickness	Nominal Inner Covering Thickness	Nominal Sheath Thickness
No. of Cores x Cross Section	Class of Conductor			
No. x mm <sup>2</sup>		mm	mm	mm



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5x1.5	2	0.7	0.4	1.8
5x2.5	2	0.7	0.4	1.8
5x4.0	2	0.7	0.6	1.8
5x6.0	2	0.7	0.6	1.8
5x10	2	0.7	0.6	1.8
5x16	2	0.7	0.8	1.8
5x25	2	0.9	1.0	1.8
5x35	2	0.9	1.0	1.8
5x50	2	1.0	1.2	1.9
5x70	2	1.1	1.2	2.1
5x95	2	1.1	1.4	2.2
5x120	2	1.2	1.4	2.4