



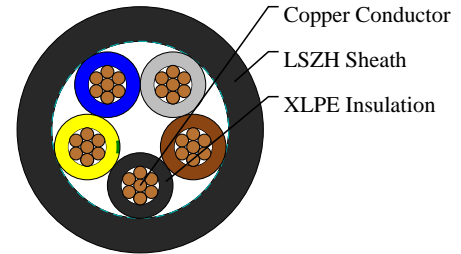
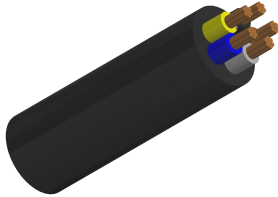
Caledonian

BS 8573 600/1000V XLPE Insulation LSZH Sheath Cables

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Three-core 600/1000V XLPE Insulation, LSZH Sheath Cables to BS 8573 5C2.5



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



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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 25mm²): 4 x Overall Diameter

Circular copper conductors(above 25mm²): 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 ² | | mm | mm | mm |
| 5x2.5 | 2 | 0.7 | 0.4 | 1.8 |



Rated voltage



BS 8573