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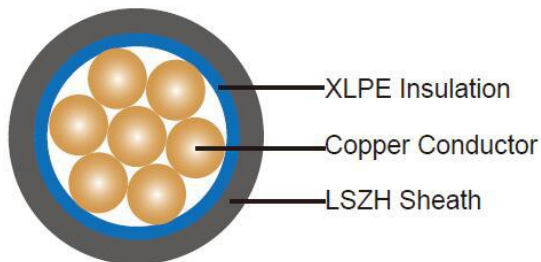
Single Core 600/1000V XLPE Insulation, LSZH Sheath Cables to BS 8573

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, 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 antitermite properties can be offered as option.

Colour Code

Insulation Colour: Brown or blue

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

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 ²		mm	mm	mm



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1x1.5	2	0.7	0.4	1.4
1x2.5	2	0.7	0.4	1.4
1x4.0	2	0.7	0.4	1.4
1x6.0	2	0.7	0.4	1.4
1x10	2	0.7	0.4	1.4
1x16	2	0.7	0.4	1.4
1x25	2	0.9	0.4	1.4
1x35	2	0.9	0.4	1.4
1x50	2	1.0	0.6	1.4
1x70	2	1.1	0.6	1.4
1x95	2	1.1	0.6	1.5
1x120	2	1.2	0.8	1.5
1x150	2	1.4	0.8	1.6
1x185	2	1.6	0.8	1.6
1x240	2	1.7	1.0	1.7
1x300	2	1.8	1.0	1.8
1x400	2	2.0	1.2	1.9
1x500	2	2.2	1.2	2.0
1x630	2	2.4	1.4	2.2
1x800	2	2.6	1.6	2.3
1x1000	2	2.8	1.6	2.4