



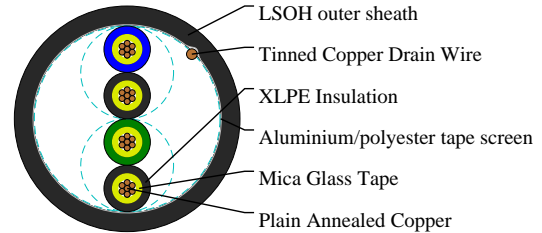
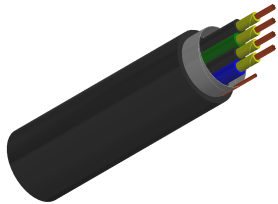
Caledonian

BS 5308 Instrumentation Cables

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BS5308 Cable Part 1 Type1 MG-XLPE-OS-LSOH 1p1



APPLICATIONS

The unarmoured fire resistant versions (Part 1 Type 1) are typically used in chemical and process industries where there is danger of fire.

CABLE CONSTRUCTION

Conductor: Annealed or tinned copper, Class 2

Insulation: Mica glass tape, XLPE (Cross Linked Polyethylene), or PE (optional)

Pairing :Two insulated conductors uniformly twisted together with a lay not exceeding 100mm

Colour code See technical information

Binder tape :PETP transparent tape

Collective screen :Aluminium/polyester tape is applied over the laid up pairs metallic side down in contact with tinned copper drain wire, 0.5mm²

Outer sheath:LSOH(Low Smoke Zero Halogen) sheath

Flame retardant to IEC60332-3-22

Fire resistant to IEC60331

Halogen free to IEC60754-1

Low smoke emission to IEC61034-1-2

Sheath colour: Black or blue

MECHANICAL PROPERTIES

Operating temperature: -20°C up to + 90°C(fixed installation)
0°C to +50°C(during operation)

Minimum bending radius: 5 x overall diameter

DIMENSION AND PARAMETERS

No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-Sectional Area	Nominal Insulation Thickness	Nominal Sheath Thickness
	no./mm	mm ²	mm	mm
1	7/0.44	1	0.6	1.4