



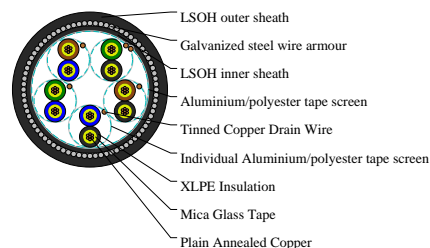
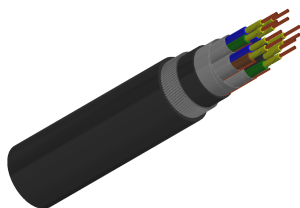
Caledonian

BS 5308 Instrumentation Cables

www.caledonian-cables.co.uk

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BS5308 Cable Part 1 Type 2 MG-XLPE-IS-OS-SWA-LSOH 5P1 P29



APPLICATIONS

The armoured fire resistant versions (Part 1 Type 2) are typically used in chemical and process industries where there is danger of fire. The galvanised steel wire armour provides excellent protection.

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

Individual screen :Aluminium/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire, 0.5mm²

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

Inner Sheath: LSOH(Low Smoke Zero Halogen) sheath

Amour: Galvanized steel wire armour

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: 6 x overall diameter

DIMENSION AND PARAMETERS

No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Dia. over Bedding	Nominal Sheath Thickness	Nominal Steel Wire Armour Diameter
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		Sectional Area					
	no./mm	mm ²	mm	mm	mm	mm	mm
5	7/0.44	1	0.6	0.8	14.8	1.4	0.9