



Caledonian

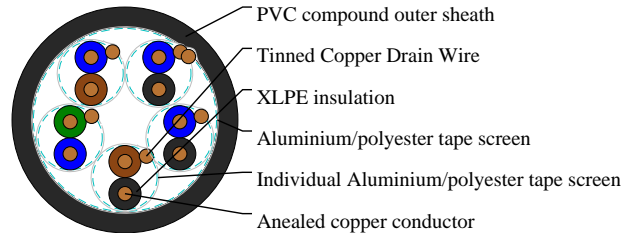
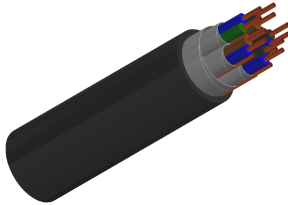
BS 5308 Instrumentation Cables

www.caledonian-cables.co.uk

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BS5308 Cable Part 1 Type1 XLPE-IS-OS-LSOH

RE-2X(ST)H PIMF 5P0.5



APPLICATIONS

The unarmoured LSOH versions (Part 1 Type 1) are generally use for indoor installation and suitable for wet and damp areas. Generally used within industrial process manufacturing plants for communication, data and voice transmission signals and services, Also used for the interconnection of electrical equipment and instruments, the LSOH sheath can reduce toxic smoke and fume emission.

CABLE CONSTRUCTION

Conductor :Annealed or tinned copper, sizes: 0.5mm² and 0.75mm² multistranded(Class 5), 0.5 mm², 1.0 mm² solid(Class 1), 1.5mm² or 2.5mm², multistranded(Class 2) to BS6360

Insulation: 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

Outer sheath:LSOH(Low Smoke Zero Halogen) sheath

Flame retardant to IEC60332-3-22

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
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	no./mm	mm ²	mm	mm
5	1/0.8	0.5	0.5	1.2