



Caledonian

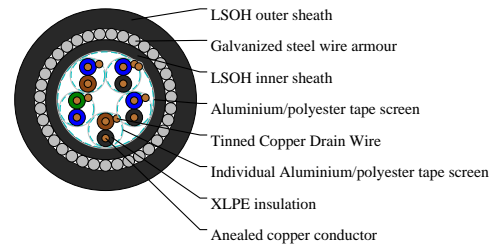
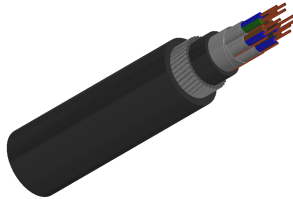
BS 5308 Instrumentation Cables

www.caledonian-cables.co.uk

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BS5308 Cable Part 1 Type 2 XLPE-IS-OS-SWA-LSOH/ RE-2X(St)H PIMF SWAH

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



APPLICATIONS

The armoured LSOH versions (Part 1 Type 2) are generally used when the risk of mechanical damage is increased. The galvanized steel wire armour provides excellent protection. 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

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

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



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| No. of Pairs | No. and Dia. of Wires | Nominal Conductor Cross-Sectional Area | Nominal Insulation Thickness | Nominal Bedding Thickness | Nominal Dia. over Bedding | Nominal Sheath Thickness | Nominal Steel Wire Armour Diameter |
|--------------|-----------------------|--|------------------------------|---------------------------|---------------------------|--------------------------|------------------------------------|
| | no./mm | mm ² | mm | mm | mm | mm | mm |
| 5 | 1/0.8 | 0.5 | 0.5 | 1.2 | 13 | 1.5 | 1.25 |