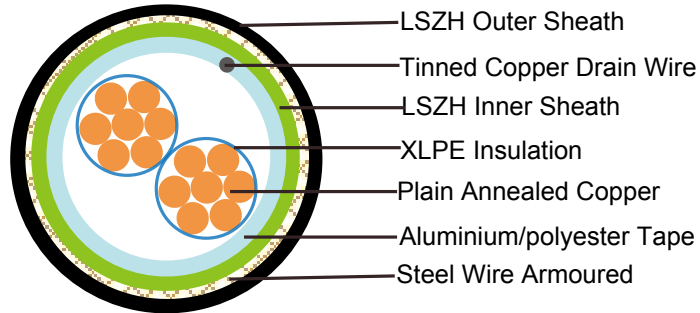




Flame Retardant Overall Screened Instrumentation Cables (Multicore)

RE-2X(St)H
RE-2X(St)HSAWAH



APPLICATION

The LSZH versions (Part 1 Type 1&2) cables 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 LSZH sheath can reduce toxic smoke and fume emission.

STANDARDS

Basic design adapted to BS 5308 Part1 Type1 & 2

FIRE PERFORMANCE

Flame Retardance (Single Vertical Wire Test)	EN 60332-1-2; IEC 60332-1-2; BS EN 60332-1-2; VDE 0482-332-1 ; NBN C 30-004 (cat. F1); NF C32-070-2.1(C2); CEI 20-35/1-2; EN 50265-2-1*; DIN VDE 0482-265-2-1*
Reduced Fire Propagation (Vertically-mounted bundled wires & cable test)	EN 60332-3-24 (cat. C); IEC 60332-3-24; BS EN 60332-3-24; VDE 0482-332-3; NBN C 30-004 (cat. F2); NF C32-070-2.2(C1); CEI 20-22/3-4; EN 50266-2-4*; DIN VDE 0482-266-2-4
Halogen Free	IEC 60754-1; EN 50267-2-1; DIN VDE 0482-267-2-1; CEI 20-37/2-1 ; BS 6425-1*
No Corrosive Gas Emission	IEC 60754-2; EN 50267-2-2; DIN VDE 0482-267-2-2; CEI 20-37/2-2 ; BS 6425-2*
Minimum Smoke Emission	IEC 61034-1&2; EN 61034 -1&2; DIN VDE 0482-1034-1&2; CEI 20-37/3-1&2; EN 50268-1&2*; BS 7622-1&2*
No Toxic gases	NES 02-713; NF C 20-454

Note: Asterisk * denotes superseded standard.

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductor: Plain annealed copper wire, stranded according to IEC(EN) 60228 class 2 and 5 .

Insulation: Extruded cross-linked XLPE compound.

Overall Screen: Aluminium/polyester tape with 0.5mm² screen (7/0.3mm) tinned copper drain wire.

Inner Sheath(optional): LSZH compound

Armouring(optional): Galvanised steel wire

Outer Sheath: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1 (Thermosetting LSZH compound type SW2-SW4 as per BS 7655-2.6 can be offered.). UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option.

COLOUR CODE

Insulation Colour: See technical information

Outer sheath: Black or blue

PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation: Max.90°C for XLPE
250°C in short-circuit for 5s max.

Minimum bending radius: 8 x Overall Diameter (unarmoured cable)
10 x Overall Diameter (armoured cable)

CONSTRUCTION PARAMETERS

Conductor		Nominal Insulation Thickness	RE-2X(St)H		RE-2X(St)HSAH			
No. of Core X Cross Section	No./ Nominal Diameter of Strands		Unarmoured		Armoured			
			Nominal Overall Diameter	Approx. Weight	Diameter Under Armour	Armour Wire Diameter	Nominal Overall Diameter	Approx. Weight
mm ²	No./mm	mm	mm	kg/km	mm	mm	mm	kg/km
2x0.5	16/0.20	0.6	7.0	50	7.0	0.90	11.4	237
3x0.5	16/0.20	0.6	7.3	59	7.3	0.90	11.7	254
4x0.5	16/0.20	0.6	7.9	69	7.9	0.90	12.3	278
6x0.5	16/0.20	0.6	9.3	94	9.3	0.90	13.9	345
10x0.5	16/0.20	0.6	11.9	147	11.9	0.90	16.7	470
20x0.5	16/0.20	0.6	14.9	253	14.9	1.25	20.6	759
40x0.5	16/0.20	0.6	20.1	444	20.1	1.60	26.7	1229
2x0.75	24/0.20	0.6	7.3	57	7.3	0.90	11.7	251
3x0.75	24/0.20	0.6	7.7	68	7.7	0.90	12.1	272
4x0.75	24/0.20	0.6	8.3	81	8.3	0.90	12.9	310
6x0.75	24/0.20	0.6	9.9	114	9.9	0.90	14.5	379