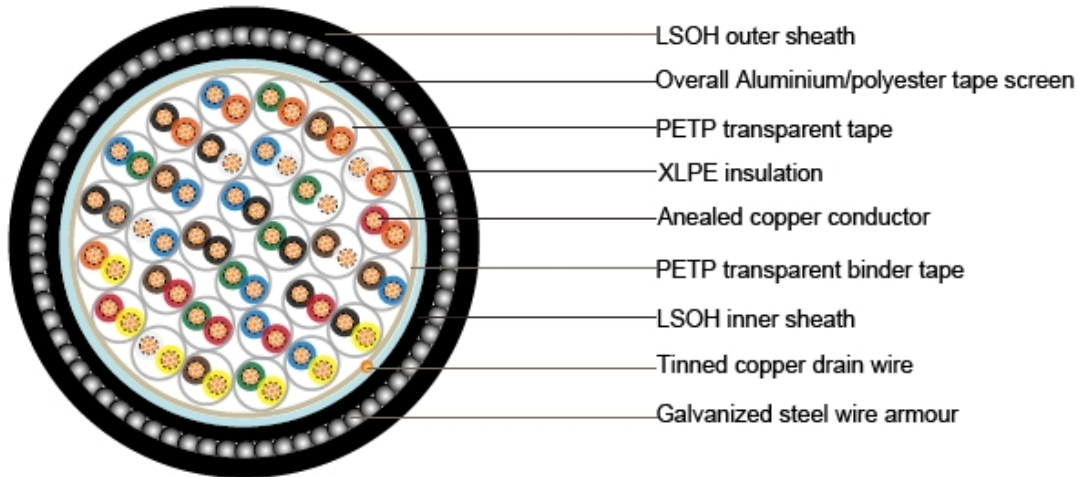




BS5308 P1T2 OSCR SWA LSZH Cable



Application

Instrumentation cables are multi conductor cables which convey low energy electrical signals used for monitoring or controlling electrical power systems and their associated processes. Instrumentation cables convey signals from process monitors to process analyzers (usually electronics equipment) and from the analyzers to control equipment in the electric power system.

Construction

Conductor: Bare copper wire conductors to BS 6360, class 2 (stranded).

Insulation: Conductors are insulated with a layer of extruded normal XLPE.

Collective screen: Aluminium/p.e.t.p. laminated tape applied with the metallic side down in electrical contact with a 0.5mm² tinned copper drain wire over the p.e.t.p. binder tape.

Inner Sheath: An inner layer of extruded LSZH compound is applied over the cable core.

Armour: Steel wire.

Outer Sheath: An outer protection of extruded LSZH compound is applied over the armour.

Standard: BS5308.

Packing: The cables are delivered on non-returnable wood drums.

Technical Information



		Unit	Conductor size	
			1.0mm ²	1.5mm ²
			(7/0.43mm)	(7/0.53 mm)
Conductor resistance	max.	Ω/Km	18.5	12.2
Insulation resistance	max.	GΩxKm	5	5
Mutual capacitance at kHz			115	115
-One pair and two pair(Quad)cables with collective screen and all	max.	pF/m	75	75
Capacitance unbalance at 1 kHz	max.	pF/250 m	250	250
Inductance/resistance ratio(L/R)	max.	μH/Ω	25	25
Test voltage(Core:core)		V	1000	1000
(Core:core)		V	1000	1000
Rated voltage	max.	V	300/500	300/500

Cable Size

Conductor	Number of Pairs	Nominal Dia under Armour (mm)	Nominal Overall Dia (mm)	Armour Wire Dia (mm)	Approx Weight (kg/km)
7/0.53mm (1.5mm ²)	1	7.5	11.9	0.9	320

Conductor	Number of Triads	Nominal Dia under Armour (mm)	Nominal Overall Dia (mm)	Armour Wire Dia (mm)	Approx Weight (kg/km)
7/0.43mm (1.0mm ²)	1	7.7	12.1	0.9	330