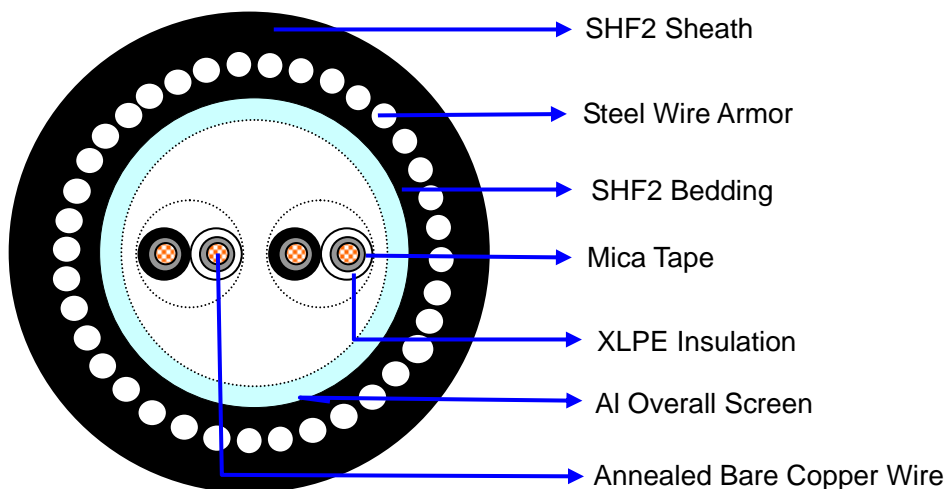


**BS5308 P1 T2 600/1000V Fire Resistant****Mica & XLPE Insulation Jelly Filled Overall Screen****SWA SHF2 Oil Resisting Instrumentation Cable****Application:**

Instrumentation cables are multi conductor cables which convey low energy electrical signals used for monitoring or controlling electrical power systems and their associated processes. It conveys signals from process monitors to process analyzers (usually electronics equipment) and from the analyzers to control equipment in the electric power system. Fire Resistant instrumentation cables are essential safety circuits associated with fire detection, fire alarm, emergency lighting and particularly for power supplies to building equipment used in safety systems.

**Construction:**

Conductor: Solid or stranded annealed bare copper conductor.

Insulation: Conductors are insulated with Mica tape and XLPE.

Twisting: Two colored insulated conductors are uniformly twisted together to form a pair.

Collective screen: Aluminium/p.e.t.p. laminated tape applied with the metallic side down in electrical contact with a 7/0.25mm tinned copper drain wire over the p.e.t.p. binder tape.



Bedding: SHF2 compound.

Armor: Steel wire armour

Sheathing: An outer protection of extruded SHF2 compound is applied over armor.

Voltage rating: 600/1000V

Standard: BS5308

Flame retardant: IEC60332

Fire Resistant: IEC60331

Oil Resistant: IEC60092-359

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

### Technical Information:

		Unit	Conductor size			
			0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>
			(7/0.3mm)	(7/0.37mm)	(7/0.43 mm)	(7/0.53mm)
Conductor resistance	max.	Ω/Km	39.7	24.5	18.1	12.1
Insulation resistance	max.	GΩxKm	5	5	5	5
Capacitance at 1 kHz	max.	pF/km	100	100	100	100
Inductance/resistance ratio(L/R)	max.	μH/Ω	25	25	25	40
Test voltage(Core:core)		V	1000	1000	1000	1000
(Core:core)		V	1000	1000	1000	1000
Rated voltage	max.	v	300/500	300/500	300/500	300/500



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## Cable Size:

No. of Pair	Conductor	Nominal Insulation Thickness (mm)	Nominal Bedding Thickness (mm)	Nominal Steel Wire Armor Diameter (mm)	Nominal Sheath Thickness (mm)	Nominal Overall Diameter (mm)
7	0.75mm <sup>2</sup> (7/0.37mm)	0.60	1.20	1.25	1.60	21.00
12	0.75mm <sup>2</sup> (7/0.37mm)	0.60	1.30	1.60	1.70	25.00

The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.