

Finolex

XCEEDS XPECTATIONS

FINOLEX FIRE ALARM CABLE

Engineered For Reliable Signal Transmission In
Fire Detection & Alarm Systems
2 Core □ 1.5 Sq.mm | FR-LSH | Armoured



Finolex Fire Alarm Cables are purpose-designed for signal communication and control in fire security systems. Manufactured using high-conductivity copper conductors, XLPE insulation, galvanized steel wire armour, and FR-LSH sheathing, these cables deliver dependable performance even under demanding fire conditions.



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APPLICATIONS

- Fire alarm & detection systems
- Emergency signalling circuits
- Fire control & monitoring systems
- Commercial, residential & industrial buildings

WHY FINOLEX

- Decades of expertise in safety-critical cables
- Consistent compliance with international standards
- Proven reliability in fire protection systems
- Trusted by engineers, consultants, and EPC contractors

TECHNICAL PARTICULARS

Cable Size / Type ==>		* 2 Core X 1.5 Sq.mm. Fire Alarm Cable Red , FR-LSH *	
Parameters	Unit	Details	
Voltage Grade	Volts	1100	
Type of Cable		2XWY	
Applicable Standard		Generally to BS EN 50288-7	
Conductor			
Material		Annealed Plain Copper	
Type / Shape		Class 2 / Stranded,Circular	
D.C.Resistance value at 20 deg C Maximum	(Ohm/Km)	12.10	
Insulation			
Material		XLPE	
Thickness	Nominal	(mm)	0.50
	Minimum	(mm)	0.44
Core Identification		Red , Black	
Inner sheath			
Material		Extruded PVC Type ST2	
Thickness	Nominal	(mm)	0.30
Armour			
Type and Material	(mm)	Galvanised Steel Round Wire	
Diameter of Armour Wire	(mm)	0.90 ± 0.035	
Outer Sheath			
Material		FR-LSH PVC ST2	
Minimum thickness	(mm)	1.24	
Approx. Overall Diameter (O.D.)	(mm)	10	
Packing length	(mtr)	1000 ± 5 %	
Non standard length		"10% of the ordered Quantity & No length less than 100 Meters"	
Electrical Parameters			
A.C.Resistance of conductor at 90 deg C	(Ohm/Km)	15.5	
Max. conductor temp. for cont. operation	(deg.C)	90	
"Max permissible conductor temp. at the termination of short circuit"	(deg.C)	250	
Continuous current rating			
In ground (at ground temp.30 degC)	(Amps)	31	
In air(At an ambient Air temp of 40 degC)	(Amps)	27	
Short Circuit capacity:(duration 1 sec)	(KA)	0.21	
Minimum safe bending radius of cable	(mm)	12 times of Cable O.D.	
Progressive sequential marking		Progressive sequential marking on every one meter by printing	
Critical Oxygen Index	Minimum	%	29
Acid Gas Genaration	Maximum	%	20
Smoke Density Rating	Maximum	%	60
Flame retardance test on single cable		Unaffected portion within 300 mm from its upper end.	

*This cable is designed to use for signal communication and controlling system in fire security systems.

FOR FINOLEX CABLES LTD.