www.finolex.com

Finolex

FLAME RETARDANT

Flame Retardant (FR) PVC Insulated Industrial Cables

- High Insulation Resistance
- Anti-Termite Rodent Repellent
- RoHS Compliant
- REACH Compliant

MORE THAN 100% CONDUCTIVITY

QUALITY COPPER & PVC DEVELOPED IN-HOUSE

THE MOST QUALIFIED IS/ISO 9001 IS:694 ELECTRICAL WIRES

XCEEDS XPECTATIONS

Finolex Cables Limited

Started in 1958, Finolex Cables Limited is India's largest and leading electrical and telecommunication cables manufacturer. Finolex Cables has always believed in enhancing capabilities and augmenting the product basket. In last few years, besides the cables business the company has forayed into new segments and added new products under the Finolex brand. The company offers Total Electrical Solutions with products like Electrical Wires, 3 Core Flat Cables, Communication Cables, Telecommunication Cables, Flexible Cables, Auto Cables, Conduits, Room Heaters, LED Lights, Switches, Switchgears, Fans, Irons and Water Heaters. Finolex Cables Limited has four manufacturing facilities viz. at Pimpri (Pune), Urse (near Pune), Verna (Goa) and Roorkee (Uttarakhand).

The company is known for their unmatched quality and safety standard which has made it amongst the most reliable brands of the country. Over the six-decade long journey, Finolex Cables has cemented its reputation as an innovative leader and quality manufacturer by continuously upgrading technology, modernizing manufacturing facilities and maintaining the highest standards in quality and service.

Flame Retardant (FR) PVC Insulated Industrial Cables

One of the core products of Finolex Cables, Flame retardant (FR) PVC insulated industrial cables, offer added safety. This is also RoHS and REACH Compliant making it enviornment friendly. Additionally, it's Anti Termite and Rodent Repellent.

Each wire is manufactured using 99.96% pure, electrolytic grade, bright annealed bare copper with more than 100% conductivity for conductor. This copper is manufactured at the company's state-of-the-art plant in Goa. Highest purity and conductivity of copper ensures greater saving of electrical energy, thus helping reduce electricity bills. The conductor is made of multiple strands of finely drawn copper wires thereby offering greater flexibility which makes these wires ideal for conduit wiring.

The wires are insulated with FR (Flame Retardent) PVC compound, specially formulated and manufactured in-house. This PVC compound has FR properties of high oxygen and temperature index. These properties help in restricting the spread of fire even at very high temperatures. This special compound also offers high insulation resistance and dielectric strength. Insulation is applied over the conductor by the process of dual extrusion using state-of-the-art extrusion lines. The outer skin determines the colour identification while the inner layer is pure insulation which provides extra protection. All wires are subjected to high voltage spark testing to make sure that there are no weak spots in the insulation.

These ISI marked wires meet the requirements of IS 694 : 2010 with latest amendments with improved fire performance for category FR. This means extra protection against electrical shocks, short circuits and fires.

Buy only from authorised Finolex outlets to be assured of total quality. If doubt arises about the authenticity of the purchase, please write to the company at the address given below. Send a copy of the cash memo, coil number and a metre-length sample of the cable to enable genuineness tests to be carried out in the laboratory.

These wires are manufactured in our state-of-the-art manufacturing plants at Urse (Near Pune), Verna (Goa) & Roorkee (Uttarakhand).

The brand Finolex, company logo, size of wire, voltage grade FR Type, ISI mark, licence no. are printed at regular intervals on the wire to help in easy identification as shown below.

FR PROPERTIES		
Test	**Test Method Specified**	**Specification Values**
Critical Oxygen Index	IS:10810 Part 58	Oxygen Index Minimum 29%
Temperature Index	IS:10810 Part 64	Temperature Index 250° C Minimum at 21% Oxygen
Also meet requirements of Flammability Test as per IS 694:2010		

IS:694

CM/L-7306463
CM/L-7525273
CM/L-8944096

FLAME RETARDANT (FR) PVC INSULATED INDUSTRIAL CABLES SINGLE CORE, UNSHEATHED CABLES IN VOLTAGE GRADE 1100V

Nominal area of copper conductor	Thickness of insulation (Nominal)	Approximate overall diameter of wire	Current carrying capacity # 2 wires, single phase		Resistance (Max.) per km. @20° C
			In conduit / Trunking	Unenclosed - clipped directly to a surface or on cable tray	
Sq. mm	mm	mm	Amps	Amps	Ohm
0.75	0.6	2.3	6	7	26.0
1.0	0.7	2.6	11	12	19.5
1.5	0.7	2.9	13	16	13.3
2.5	0.8	3.6	18	22	7.98
4.0	0.8	4.0	24	29	4.95
6.0	0.8	4.5	31	37	3.30

Standard Colours: Black, Red, Blue, Yellow and Green (for earthing). Supplied in 90 M length
As per IS 3961 (Part V) - 1968 BIS license Nos. CM/L 7306463 CM/L 7525273 & CM/L 8944096

Finolex Cables Limited
AN IS/ISO 9001 CERTIFIED COMPANY

26-27, Mumbai-Pune Road, Pimpri, Pune - 411018, India.
Tel: 020-27506200 I Visit us at: www.finolex.com
Email: sales@finolex.com
CIN: L31300MH1967PLC016531

FOR TECHNICAL LITERATURE PLEASE CONTACT OUR BRANCH OFFICES: Ahmedabad : Tel: 079-26584637 / 26575639 | Bengaluru : Tel: 9845278680 | Bhubaneswar : Tel: 0674-2971188, 2971922 | Chennai : Tel: 044-28231514/28284141 | Chandigarh : Tel: 9316064670 | Cochin : Tel: 9880088155 | Coimbatore : Tel: 0422-2330997 | Dharwad : Tel: 9880088155 | Goa : Tel: 0832-2782003 / 2782065 | Gurgaon : Tel: 9896763770 | Guwahati : Tel: 9435324398 | Indore : Tel: 7314911723 | Jaipur : Tel: 9929111411 | Kolkata : Tel: 0522-4035031 | Lucknow : Tel: 9560299393 | Mumbai : Tel: 022 - 22820062 | New Delhi : Tel: 9870170171 | Patna : Tel: 9934107999 | Pune : Tel: 020 - 27506200 | Raipur : Tel: 7008336581 | Ranchi : Tel: 8101383841 | Secunderabad : Tel: 040 - 27811161 | Uttarakhand : Tel: 9760045003 | Vadodara : Tel: 9879555568 | Vijayawada : Tel: 9848043967

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While every effort has been taken to guarantee that all details and portrayals are correct, this leaflet should not be viewed as a definitive guide or as a proposal of sales for a specific product. Due to variable factors in the production process, shades of the actual product might fluctuate marginally from those portrayed. Model numbers and particulars are for reference purposes only. May subject to change without prior notice.