

# Finolex

## Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY



# FLAME RETARDANT

## Flame Retardant (FR) PVC Insulated Industrial Cables

Also  
Available 180M  
(Double Coil)  
Special Project  
Packaging

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



# 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 cable business, the company has forayed into new segments and added new products under Finolex brand. The company offers Total Electrical Solutions with products like Industrial / Electrical wires, Flexible Cables, Elevator Cables, 3 Core Flat Cables, Auto Cables, Communication Cables, Telecommunication Cables, Power Cables, Copper Rods, Solar Cables, LED Lighting Range, Premium modular Switches & Switchgear and newly launched elegant looking domestic Fans. Finolex Cables Limited has four manufacturing facilities viz. at Pimpri (Pune), Urse (near Pune), Verna (Goa) and Roorkee (Uttarakhand).

## 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.

Each wire is manufactured using 99.97% 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 and thus helps to 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 Retardant) PVC compound, specially formulated and manufactured in-house. A special grade PVC resin manufactured by the group company, Finolex Industries Limited, is used to manufacture this compound. 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 C-1. This means extra protection against electrical shocks, short circuits and fires. The wires also have FIA/TAC (Fire Insurance/Tariff Advisory Committee) approval.

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.



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	Ohms
0.75	0.6	2.3	6	7	26.0
1.0	0.7	2.6	11	12	18.10
1.5	0.7	2.9	13	16	12.10
2.5	0.8	3.6	18	22	7.41
4.0	0.8	4.0	24	29	4.95
6.0	0.8	4.7	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

 /Finolexcables |  /Finolexcables |  /Finolex.cables

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Sample card available on request



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Finolex gets people together

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In order to derive maximum benefit and utilisation of our products, we advise that these products are stored, installed and commissioned as per the norms prevailing in the place of installation. When decommissioned, these should be disposed using appropriate methods/process specified in respective state / location of use so as not to affect the environment adversely.