

Finolex

Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY



ALSO
AVAILABLE
180 MTS (DOUBLE COIL)
&
270 MTS (TRIPLE COIL)
SPECIAL PROJECT
PACKAGING



**High Insulation
Resistance**



**Anti Termite
Rodent Repellent**



**RoHS
Compliant**

Flame Retardant (FR) PVC Insulated Industrial Cables

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, CFLs, 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.



ISI: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 Sq.mm	Thickness of insulation (Nominal) mm	Approximate Overall Diameter of wire mm	Current carrying capacity # 2 wires, single phase		Resistance (Max.) per km. @20°C Ohms
			In conduit / Trunking Amps	Unenclosed - clipped directly to a surface or on cable tray Amps	
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 meter lengths

As per IS 3961 (Part V) - 1968

BIS license Nos. CM/L 7306463 CM/L 7525273 & CM/L 8944096



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Cables Limited

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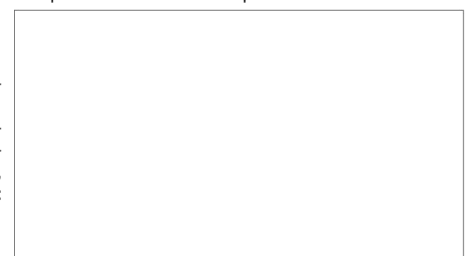
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2782003, 2782065 | Gurgaon: Tel: 0124-4382304 | Guwahati: Tel: 0361-2490067 |
Indore: Tel: 0731-2802646 | Jaipur: Tel: 0141-2332526/29 | Kolkata: Tel: 033-
24192494, 24192495 | Lucknow: Tel: 0522-2439815, 4035031 | Ludhiana: Tel: 0161-
2804005 | Mumbai: Tel: 022-22873252, 22820062 | New Delhi: Tel: 011-23324748,
23353160 | Patna: Tel: 0612-2589835 | Pune: Tel: 020-27475963, 27506200 | Raipur:
Tel: 0771-2885595 | Ranchi: Tel: 0651-2284758 | Roorkee: Tel: 01332-224068 |
Secunderabad: Tel: 040-27721224, 27811161 | Vijayawada, Vadodara, Pondicherry.

Sample card available on request



All information given herein is in good faith. Finolex shall not be liable for any damages arising out of incorrect use or interpretation. The Company reserves the right to change any of the above specifications without any prior notice.

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.

**180/270 Metres
Special Project Packaging**



Flame Retardant (FR) PVC Insulated Industrial Cables



**High Insulation
Resistance**



**Anti Termite
Rodent Repellent**



**RoHS
Compliant**

FINOLEX CABLES LIMITED

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FLAME RETARDANT (FR) PVC INSULATED INDUSTRIAL CABLES 180 / 270 M SPECIAL PROJECT PACKAGING

One of the core products of Finolex Cables, Flame Retardant (FR) PVC Insulated Industrial Cables is offered in Project Packing.

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. 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. These ISI marked wires meet the requirements of IS 694 : 2010 with latest amendments with improved fire performance for category C-1.

The need of the day is new circuitry and additional points to accommodate modern gadgets. Add to this, large scale projects undertaken nowadays. Since the size of constructions is not only larger but also more widespread, there is a surge in the need for electrical wires of longer lengths. Finolex is a major supplier of electrical wires to such big construction projects. Finolex electrical wires enjoy approvals from Architects, Electrical Contractors, Consultants and Builders, for whom the quality of electrical wires is of utmost importance.

Finolex now introduces two new longer packing lengths - 270 metre coils (triple coils for sizes 1.0, 1.5 and 2.5 sq.mm.) and 180 metre coils (double coils for sizes 4.0 and 6.0 sq.mm.) to suit the requirement of big construction projects.

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

Flame Retardant (FR) PVC Insulated Industrial Cables with longer lengths has many advantages.

ECONOMICAL

This longer length is more economical as less leftover pieces are generated from each coil after wiring thereby reducing scrap. The inventory of leftover coil length is also reduced to a great extent.

SAFE

In case of bigger construction projects, longer connections are required. With Flame Retardant (FR) PVC Insulated Industrial Cables, due to the longer length, the number of joints in electrical conduits are reduced, ensuring safe and jointless wiring in electrical installations. Hence, additional safety in wiring is ensured.

STORAGE SPACE SAVING

Since each coil is of longer length and more compact, more wires can be accommodated in the same storage area, thus making optimum use of available storage space.



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

Nominal Area of Conductor	Thickness of Insulation	Approx. Overall Diameter	Current Carrying Capacity # of 2 Wires, Single Phase		Resistance (Max.) per km @ 20°C
			In Conduit/Trunking	Unenclosed-Clipped directly to surface or on cable tray	
sq mm	mm	mm	Amps	Amps	Ohms
1.0	0.6	2.5	11	12	19.5
1.5	0.6	2.7	13	16	13.3
2.5	0.7	3.3	18	22	7.98
4.0	0.8	4.0	24	29	4.95
6.0	0.8	4.50	31	37	3.30

Standard Colours: Black, Red, Blue, Yellow and Green (for earthing). Supplied in 180/270 meter lengths

As per IS 3961 (Part V) - 1968

BIS license Nos. CM/L 7306463 CM/L 7525273 & CM/L 8944096



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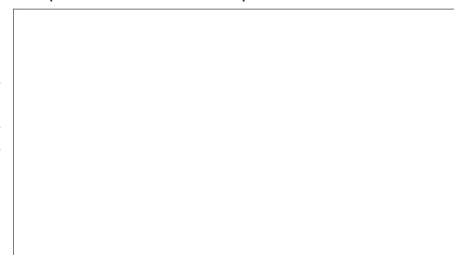
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