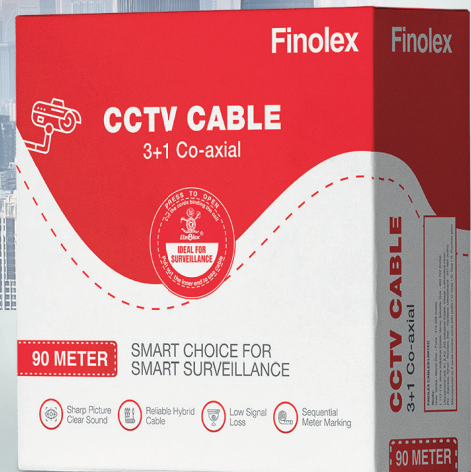


Composite CCTV Cables



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. The 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 at Pimpri (Pune), Urse (near Pune), Verna (Goa) and Roorkee (Uttarakhand).

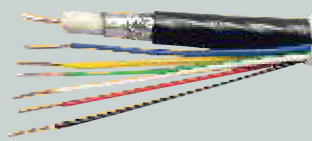
The company is known for its unmatched quality and safety standards which has made it amongst the most reliable brands of the country. Over the six-decade long journey, Finolex Cables has cemented its reputation as an innovative leader and quality manufacturer by continuously upgrading technology, modernizing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

FINOLEX COMPOSITE CCTV CABLES

There is an increasing concern for security and continuous surveillance is now fast becoming a priority. The notion of round-the-clock surveillance is finding growing acceptance in places like industrial areas, commercial and shopping complexes, airports, railway stations, roads etc. This type of surveillance and monitoring is done by installing very sensitive cameras at various locations. These cameras are connected to the data centre with high precision cable circuits for continuous monitoring and recording of the minutest of details.

The cables used are of hybrid type with combination of communication and electrical wires. The communication cables are used for recording the images with a camera and to communicate with the data centre. The 3 or 4 or 6 number of electric wires in these hybrid type cables are used to power the cameras. The communication cables are typically RG 6/ RG 59 or any other type that is installed as per the customer specification, while the electric cables are of 0.15mm specification.

Finolex uses the latest technology of gas injected physical foaming for the manufacturing of co-axial cables which offer low weight and helps loss free signal transmission. The conductor for this cable is of solid bare copper type which offers low conductor resistance and lower attenuation. This results in better picture quality. The electric wires in this cable come with solid annealed bare copper conductor, insulated with Polythene, in addition to being colour coded as per specifications. These insulated cores are laid up along with co-axial cable and further jacketed with specially formulated and in house manufactured PVC in black colour. These cables are most suitable for outside application as the PVC Jacket offers UV protection. Finolex can also manufacture cables as per customer's requirement.



Finolex Cables Ltd., India, (1 x RG 59 CU + 6C x 0.15 sq mm)

The product range includes:

- RG-59F Co-axial + 3 Core x 0.15 Sq. mm CCTV Cables
- RG-59F Co-axial + 4 Core x 0.15 Sq. mm CCTV Cables
- RG-59F Co-axial + 6 Core x 0.15 Sq. mm CCTV Cables

(A) Construction Parameters: Co-axial		Electrical Specifications	
Inner Conductor		Inner Conductor dc Resistance	Max. 3.55 Ω/100m at 20°C
Material	Solid Bare Copper	Capacitance (Nom.)	53.0 pF/m
Diameter	0.80 mm Nom. (20 AWG)	Characteristic Impedance	75 ± 3 ohm
Di-electric		Structural Return Loss	Min. 15 dB @ 1—1000 MHz
Material	Gas Injected Physical Foam Polyethylene	Nominal Velocity Ratio	85%
Diameter	3.55 mm Nom.	Performance	
Shield		Frequency	Max. Attenuation (dB/100 m) at 20°C
1st shield	Bonded Aluminium Tape	55 MHz	6.73
2nd Shield	Aluminium Alloy Braid	187 MHz	11.81
Coverage	Nom. 60%	300 MHz	14.60
Jacket		550 MHz	19.52
Material	PVC (Black)	750 MHz	22.87
Diameter	5.60 mm Approx.	865 MHz	24.67
Bending Radius	65 mm Min.	1000 MHz	26.64

(B) Insulated Cores						
No. of Cores	Conductor Diameter (Tom.) Solid Bare Annealed Copper	Insulation Material	Core Diameter (Nom.)	Colour Codes	Overall Jacket (PVC) White	Overall Diameter
3	0.5 mm	High Density Polythene	0.95 mm	Red, Yellow, Blue	ST1 Grade Conforming to IS 5831	8.50 mm Max.
4	0.5 mm	High Density Polythene	0.95 mm	Red, Yellow, Blue, Black	ST1 Grade Conforming to IS 5831	8.50 mm Max.
6	0.5 mm	High Density Polythene	0.95 mm	Red, Yellow, Blue, Black, White & Green	ST1 Grade Conforming to IS 5831	8.50 mm Max.

Finolex

Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY

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