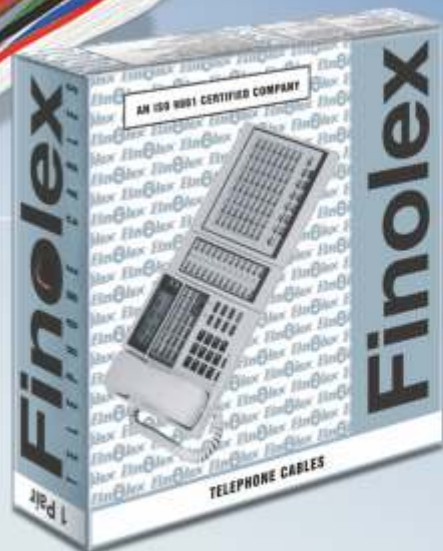


# Finolex

## Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY



TELEPHONE 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, Lighting Products, Premium modular Switches including newly launched Final Distribution Products, Electric Water Heater and elegant looking domestic Fans. Finolex Cables Limited has four manufacturing facilities viz. at Pimpri (Pune), Urse (near Pune), Verna (Goa) and Roorkee (Uttarakhand).

## FINOLEX TELEPHONE CABLES

Finolex twisted paired cables are best suited for telephone cabling applications. The conductor is made of solid annealed, electrolytic grade high conductivity bare copper. The conductor is insulated with special grade high-density polyethylene with different colours. The insulated cores are twisted with uniform lay to form pairs and are bunched together in such a manner so as to minimise cross talk. In 50 and 100 pair cables the units of 10 and 20 pairs respectively are identified with colour binders and stranded to form the laid up cable. The laid up cable is further jacketed with a grey colour **fire retardant (FR) PVC specially formulated and manufactured in-house**, with high oxygen and temperature index. The cables can be used for internal telephone wiring in high-rise buildings, offices, factories, hotels, residential complexes, etc. Stringent quality control at every stage, from raw material through manufacturing, up to the finished product guarantees high quality.

**Salient Features :** ■ Low Attenuation ■ Low Crosstalk ■ Fire Retardant Jacket in Grey

Construction Parameters		1 Pair	2 Pair	3 Pair	4 Pair	5 Pair	10 Pair	20 Pair	50 Pair	100 Pair
Conductor (Solid annealed bare copper)		0.4 mm diameter (nom.) & 0.5 mm diameter (nom.)								
Insulation Material (0.4 & 0.5 mm dia.)		High density polyethylene								
Insulation Thickness (Average)	0.4 mm dia.						0.17 mm			
	0.5 mm dia.						0.20 mm			
Diameter of Insulated Conductor(Maximum)	0.4 mm dia.						0.74 mm			
	0.5 mm dia.						0.92 mm			
Rip cord (0.4 & 0.5 mm dia.)		Nylon - placed under Jacket for Jacket stripping								
Colour Combination		For 0.4 mm dia. & 0.5 mm dia.								
	Pair 1	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue	White-Blue
	Pair 2	-	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange	White-Orange
	Pair 3	-	-	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green	White-Green
	Pair 4	-	-	-	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown
	Pair 5	-	-	-	-	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey
	Pair 6	-	-	-	-	-	Red-Blue	Red-Blue	Red-Blue	Red-Blue
	Pair 7	-	-	-	-	-	Red-Orange	Red-Orange	Red-Orange	Red-Orange
	Pair 8	-	-	-	-	-	Red-Green	Red-Green	Red-Green	Red-Green
	Pair 9	-	-	-	-	-	Red-Brown	Red-Brown	Red-Brown	Red-Brown
	Pair 10	-	-	-	-	-	Red-Grey-	Red-Grey	Red-Grey	Red-Grey
	Pair 11	-	-	-	-	-	-	Black-Blue		Black-Blue
	Pair 12	-	-	-	-	-	-	Black-Orange		Black-Orange
	Pair 13	-	-	-	-	-	-	Black-Green		Black-Green
	Pair 14	-	-	-	-	-	-	Black-Brown		Black-Brown
	Pair 15	-	-	-	-	-	-	Black-Grey		Black-Grey
	Pair 16	-	-	-	-	-	-	Yellow-Blue		Yellow-Blue
	Pair 17	-	-	-	-	-	-	Yellow-Orange		Yellow-Orange
	Pair 18	-	-	-	-	-	-	Yellow-Green		Yellow-Green
	Pair 19	-	-	-	-	-	-	Yellow-Brown		Yellow-Brown
	Pair 20	-	-	-	-	-	-	Yellow-Grey		Yellow-Grey
No. of Unit		1 X 1 P	1 X 2 P	1 X 3 P	1 X 4 P	1 X 5 P	1 X 10 P	1 X 20 P	5 X 10 P	5 X 20 P
Colour of Unit Identification Binder		0.4 mm dia. & 0.5 mm dia.								
	Unit 1	-	-	-	-	-	-	-	Blue	Blue
	Unit 2	-	-	-	-	-	-	-	Orange	Orange
	Unit 3	-	-	-	-	-	-	-	Green	Green
	Unit 4	-	-	-	-	-	-	-	Brown	Brown
	Unit 5	-	-	-	-	-	-	-	Grey	Grey
PVC Jacket (0.4 mm dia. & 0.5 mm dia.)		FRPVC compound with high oxygen index								
Approx. Outer Diameter	0.4 mm dia.	2.40	3.10	3.50	3.90	4.30	6.20	8.40	12.30	16.80
	0.5 mm dia.	2.75	3.50	4.00	4.70	5.50	8.20	10.50	15.20	20.40
Packing Length (mtrs) 0.4 mm dia. & 0.5 mm dia.		90	90	90	90	90	90	90	500	500

Electrical Parameters	0.4 mm dia	0.5 mm dia
Conductor Resistance (max.) ohms/km at 20°C	143.0	92.20
Mutual Capacitance (max.) nf/km	50	50
Insulation Resistance in Air (min.) M-ohms/km	10,000	10,000
Capacitance Unbalance Pair to Pair (max.) pF/km	250	250