

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 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 TELEPHONE CABLES

Finolex's 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. 0.5 mm dia.		0.17 mm 0.20 mm						
Diameter of Insulated Conductor(Maximum)		0.4 mm dia. 0.5 mm dia.		0.74 mm 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	White-Blue
Pair 2	-	White-Orange	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	White-Green
Pair 4	-	-	-	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown	White-Brown
Pair 5	-	-	-	-	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey	White-Grey
Pair 6	-	-	-	-	-	Red-Blue	Red-Blue	Red-Blue	Red-Blue	Red-Blue
Pair 7	-	-	-	-	-	Red-Orange	Red-Orange	Red-Orange	Red-Orange	Red-Orange
Pair 8	-	-	-	-	-	Red-Green	Red-Green	Red-Green	Red-Green	Red-Green
Pair 9	-	-	-	-	-	Red-Brown	Red-Brown	Red-Brown	Red-Brown	Red-Brown
Pair 10	-	-	-	-	-	Red-Grey	Red-Grey	Red-Grey	Red-Grey	Red-Grey
Pair 11	-	-	-	-	-	-	Black-Blue	-	Black-Blue	Black-Blue
Pair 12	-	-	-	-	-	-	Black-Orange	-	Black-Orange	Black-Orange
Pair 13	-	-	-	-	-	-	Black-Green	-	Black-Green	Black-Green
Pair 14	-	-	-	-	-	-	Black-Brown	-	Black-Brown	Black-Brown
Pair 15	-	-	-	-	-	-	Black-Grey	-	Black-Grey	Black-Grey
Pair 16	-	-	-	-	-	-	Yellow-Blue	-	Yellow-Blue	Yellow-Blue
Pair 17	-	-	-	-	-	-	Yellow-Orange	-	Yellow-Orange	Yellow-Orange
Pair 18	-	-	-	-	-	-	Yellow-Green	-	Yellow-Green	Yellow-Green
Pair 19	-	-	-	-	-	-	Yellow-Brown	-	Yellow-Brown	Yellow-Brown
Pair 20	-	-	-	-	-	-	Yellow-Grey	-	Yellow-Grey	Yellow-Grey

No. of Unit	1X1P	1X2P	1X3P	1X4P	1X5P	1X10P	1X20P	5X10P	5X20P	
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. 0.5 mm dia.	2.40 2.75	3.10 3.50	3.50 4.00	3.90 4.70	4.30 5.50	6.20 8.20	8.40 10.50	12.30 15.20	16.80 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
Unit of 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

Finolex Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY

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