

**NEW &  
IMPROVED**



**SPEAKER 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).

## SPEAKER CABLES

### Insulated with Specially formulated Transparent Grade PVC Compound

Finolex twin parallel type Speaker cables are manufactured with multi wire, bright annealed flexible bare electrolytic grade conductor, insulated with specially formulated transparent grade PVC compound. These speaker cables offer extra flexibility and hence find very easy to pull through the conduit without damage. For easy identification, one of the cores is marked with red colour strip all along the length of the cable. The distance between the two conductors is maintained consistently for uniform capacitance throughout the length. These cables being transparent offer good aesthetic value. These are mainly used in Connecting speakers, used in Public Address systems installed in large residential complexes, (as per new Building Code) for clear and distortion free voice with very low db loss. These are available in 20, 19, 18, 16 and 14 AWG conductor sizes with 100 mtrs coil packing.

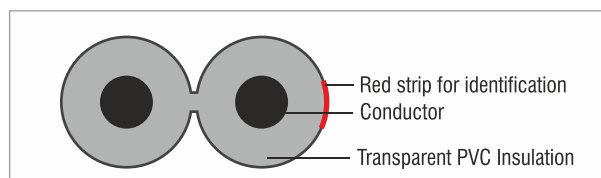
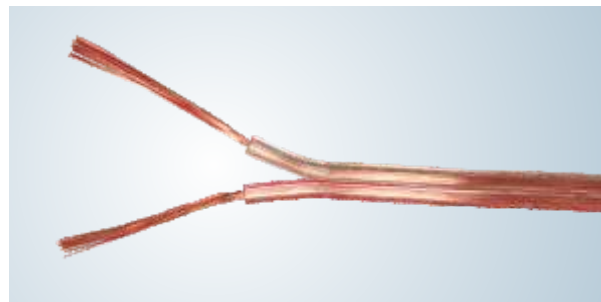
### TECHNICAL DETAILS

Conductor			Approximate Overall Dimensions (mm)			
Size AWG	Equivalent Metric Size mm <sup>2</sup>	Max. Cond. Resistance ohms/km 20°C	Width	Height	Thickness	Web Dims. W x H
20	0.50	39.00	4.45	2.00	0.6	0.5 x 0.4
19	0.75	26.00	5.45	2.50	0.6	0.5 x 0.4
18	1.0	21.4	6.05	2.80	0.7	0.5 x 0.4
16	1.5	13.5	6.25	2.90	0.7	0.5 x 0.4
14	2.0	9.00	7.00	3.30	0.75	0.5 x 0.4
13	2.5	7.98	7.4	3.44	0.75	0.5 x 0.4

### SPEAKER CABLE SELECTION CHART

	4 Ohm Speaker			8 Ohm Speaker		
Power loss in %	11	21	50	11	21	50
loss in db	0.5	1.0	3.0	0.5	1.0	3.0
Max. Distance in Mtrs.						
20 AWG	8	16	60	16	32	119
19 AWG	10	21	85	21	65	170
18 AWG	12	27	103	26	58	208
16 AWG	18	38	143	35	76	285
14 AWG	27	59	226	56	120	451
13 AWG	34	74	282	71	151	564

**Illustration:** To use this table for the selection of the cable is for example we can use maximum length of 14 AWG cable in 8 ohm speaker system with power loss of 21% (1.0db) is 120 mtrs.



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**Finolex**  
Cables Limited

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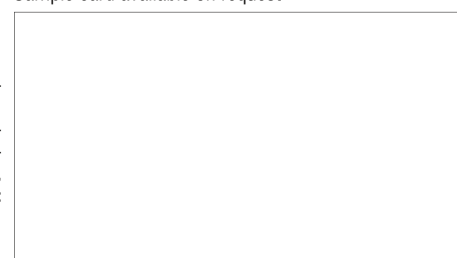
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Finolex gets people together

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Sample card available on request



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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.