

# Speaker Cables



**25 METER  
PACKING  
AVAILABLE**

## FINOLEX CABLES LIMITED

Started in 1958, Finolex Cables Limited is India's largest leading electrical and telecommunication cables manufacturer. Finolex Cables has always believed in enhancing its capabilities and augmenting the product basket. In 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 viz. at Pimpri (Pune), Urse (near Pune), Verna (Goa) and Roorkee (Uttarakhand). The company is known for its unmatched quality and safety standard 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.

# SPEAKER CABLES

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. The 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, 14, and 13 AWG conductor sizes with 100 meters and 25 meters coil packing.

## TECHNICAL DETAILS

| Conductor |                               |                                     | Approximate Overall Dimensions (mm) |                 |                 |                 |
|-----------|-------------------------------|-------------------------------------|-------------------------------------|-----------------|-----------------|-----------------|
| Size AWG  | Nominal Area Of Cond. (sq.mm) | Max. Cond. Resistance ohms/km 20 °C | Max Width (mm)                      | Max Height (mm) | Thickness (nom) | Web Dims. W x H |
| 20        | 0.5                           | 39.0                                | 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                           | 13.3                                | 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                                 | 3.45            | 0.75            | 0.5 x 0.4       |

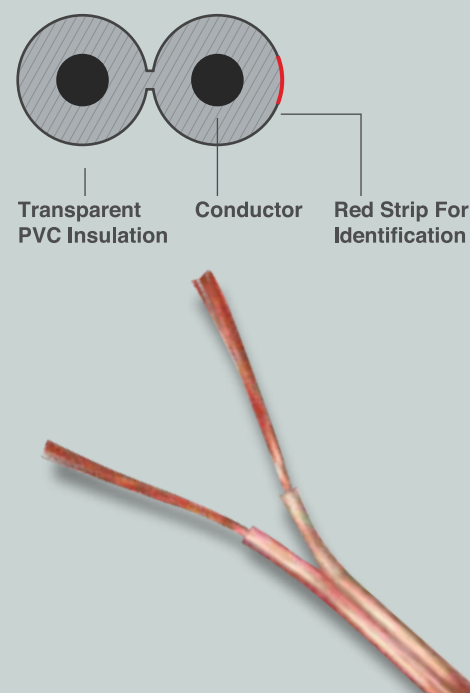
## SPEAKER CABLE SELECTION CHART

|                 | 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 |

We can use this table for the selection of the cable. An example is shown below:

For 14 AWG cable in 8 Ohm speaker system with power loss of 21% (1.0db) maximum length will be 120 mtrs.



# Finolex

## Cables Limited

AN IS/ISO 9001 CERTIFIED COMPANY

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