



Speaker Cables

Direct Box/Interface

Audio Cables

Connectors

Video

Bulk Cable

Cable Management

Custom Shop

Speaker Cable

Choosing the Right Speaker Cable...

Speaker cable is selected by balancing power handling, signal transfer and durability requirements. The speaker wire chart below will help you choose the right gauge for your power handling requirements. The larger the conductor (lower gauge #) the better the signal transfer. High strand count is best for high frequency transmission and also provides greater flexibility and life. While a heavy PVC jacket is best for live touring, it may not be needed for studio or home theatre installations.

Creating an Order Number...

Determine the best wire gauge cable for your application, then use the charts below to create a **Radial** speaker cable order number. List (a) cable type, followed by (b) cable length, followed by (c) connector type. If the speaker cable configuration you need is not listed here, contact **Radial's Custom Shop** to have them quickly made up in our factory to your exact specifications.

How to make a speaker cable order number:

$$\mathbf{A} + \mathbf{B} + \mathbf{C} = \text{Your Cable Order \#}$$

List 'Cable Type' from A, 'Cable Length' from B and 'Connector Type' from C.

A	Cable Type	# Conductors	Gauge
R374	Mogami Studio	2 conductor	14AWG
R366	Radial Live/install	2 conductor	16AWG
R364	Radial Live/install	2 conductor	14AWG
R367	Radial Live/install	2 conductor	12AWG
R344	Radial Live/install	4 conductor	13AWG
R345	Radial Live/install	6 conductor	13AWG
R346	Radial Live/install	8 conductor	13AWG
R347	Radial Studio/audiophile	2 conductor	12AWG
R348	Radial Studio/audiophile	2 conductor	16AWG
R349	Radial Studio/audiophile	2 conductor	18AWG

B	Cable Length
0003	3 feet
0006	6 feet
0010	10 feet
0015	15 feet
0020	20 feet
0025	25 feet
0030	30 feet
0050	50 feet
0075	75 feet
0100	100 feet

C	Connector Type
00	1/4" ~ 1/4"
01	1/4" ~ Banana
02	Banana ~ Banana
03	Speakon 2 Pole
04	Speakon 2 Pole ~ 1/4"
05	Speakon 4 Pole
06	Speakon 4 Pole ~ 1/4"
07	Speakon 8 Pole
08	EP 4 Pole
09	EP 6 Pole
10	EP 8 Pole
11	AP 4 Pole
12	AP 6 Pole
13	AP 8 Pole

Example below - 2 conductor 16 AWG with 1/4" to 1/4" connectors, order numbers for all standard lengths:



Designed specifically for live sound, this **Radial** speaker cable provides exceptional flexibility in a rugged, black PVC jacket with jute fillers. (Cable is also available in bulk without connectors. Order # B350 0216.)

Order #	Length
R366 0003-00	3'
R366 0006-00	6'
R366 0010-00	10'
R366 0015-00	15'
R366 0020-00	20'
R366 0025-00	25'
R366 0030-00	30'
R366 0050-00	50'
R366 0075-00	75'
R366 0100-00	100'

Example below - 4 conductor 13 AWG with Speakon to Speakon connectors, order numbers for all standard lengths:



A good choice for bi-amplified sound systems, this 4 conductor **Radial** speaker cable features copper conductors and jute fillers for added durability. (Cable available in bulk without connectors. Order # B350 0413.)

Order #	Length
R344 0003-05	3'
R344 0006-05	6'
R344 0010-05	10'
R344 0015-05	15'
R344 0020-05	20'
R344 0025-05	25'
R344 0030-05	30'
R344 0050-05	50'
R344 0075-05	75'
R344 0100-05	100'

Speaker Wire Gauge / Power Selector Chart

The following chart provides generally accepted gauge sizes for improved speaker performance and reduced power loss. For larger gauges, use the double-up rule; ie: 2 x 12 gauge = approximately 10AWG (AWG = American Wire Gauge).

Distance	4 ohm			8 ohm			16 ohm		
	50-100W	100-250W	250-600W	50-100W	100-250W	250-600W	50-100W	100-250W	250-600W
20'	14 AWG	12 AWG	10 AWG	16 AWG	14 AWG	12 AWG	18 AWG	16 AWG	14 AWG
30'	12 AWG	12 AWG	10 AWG	16 AWG	14 AWG	10 AWG	18 AWG	16 AWG	12 AWG
50'	12 AWG	10 AWG	10 AWG	16 AWG	14 AWG	10 AWG	16 AWG	16 AWG	12 AWG
100'	10 AWG	10 AWG	10 AWG	14 AWG	12 AWG	10 AWG	16 AWG	14 AWG	12 AWG