



**Gotham Audio
Cable**

#50150

GAC-SPK 2x2.5mm² Coaxial Speaker Cable

Coaxial Loudspeaker cable (13AWG) with Polyurethane Jacket

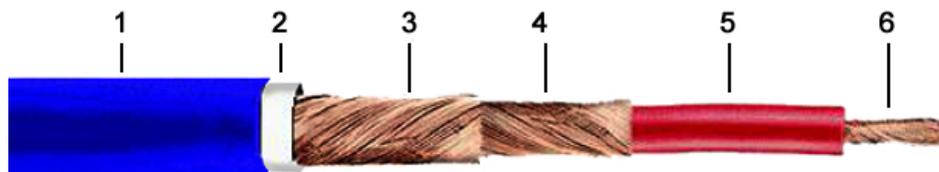
For years this coaxial speaker cable has been acclaimed by audiophiles, many of whom combine its two layers and then use a double-run to connect each speaker. This provides the advantages of a thick, heavy speaker cable while maintaining flexibility. An enthusiast posted this statement on the Internet: *"My speaker cable of choice these days is stuff I made myself from Gotham Audio GAC-SPK 2x2.5mm cable. These replaced FMS Zero in my system, although they cost about a tenth as much!"*

Loudspeaker cables transport high levels of electrical current from the power amplifier output to the speaker. Instrument and microphone cables typically carry currents of just a few milliamperes, while speakers driven by modest sized amplifiers will be pulling 3-5 amps. In an ideal situation one wants to have the lowest possible resistance between amplifier and speaker. In order to get closest to this figure, one should accommodate as much copper to the connector as possible to minimize the energy loss and the possible change of the sound performance of your system. Using a cable with too small a diameter can result in energy saturation, which will decrease the level of high frequencies (as cable gets warm or even hot) affecting sound level and quality.

Gotham currently offers both conventional speaker cable and coaxial speaker cable.

A coaxial cable, such as GAC-SPK, can be run as single run cable to the 2 terminals on each speaker, or the conductors can be combined into a single cable for each terminal (dual run per speaker). Performance is outstanding either way but the dual run option provides the lower resistance and power handling capabilities of a very large cable, without the associated weight and rigidity.

GAC-SPK is relatively compact and lightweight cable that is both attractive and exceptionally rugged. The conductors are protected with an ultra-strong oil, heat and cold resistant polyurethane (PUR) jacket. The double layer copper strands for the outside line are built to maintain excellent flexibility and the stronger stranding of the center conductor (line) will keep the unwanted memory (bendings) to the minimum. Conductor 1 A&B and conductor 2 = 2x2.5mm². Note that Conductors 1A&B are not considered shields!



Construction:

1 = Jacket	PUR, \varnothing 6.8 mm, blue (dark)
2 = Separation	PVC, \varnothing 6.1 mm, white
3 = Conductor 1A	Bare copper wires (25 x 0.25 mm)
4 = Conductor 1B	Bare copper wires (25 x 0.25 mm) 1A & 1B = total 2.5mm ²
5 = Insulation	PVC, \varnothing 4.0 mm, red
6 = Conductor 2	(OFC) Stranded bare copper wires 50 x 0.25 mm (2.5mm ²)

Gotham Audio Cable is distributed in the USA and Canada by:

Gotham Audio LLC

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Technical Specifications:

Conductor resistance:		< 7.6 Ohm/km
Outside line resistance:		< 7.6 Ohm/km
Capacitance:	cond/cond:	< 98 nF/km
Test voltage:	cond/cond:	800 V eff.
Temperature range:	Fix	-30° to +70° C
Temperature range:	flexi-installed:	-5° to +50° C

Part #	Type	O.D.	Color	Spool Size	Wt./Spool	Case Unit
50150	GAC-SPK 2x2.5mm	6.8 mm	blue	200 m	19.2 kg	1 x 200m

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