

Black Rhodium

CHARLESTON



Charleston Loudspeaker Cable

ALL CABLES OBEY THE LAWS OF PHYSICS

The Laws of Physics describe effects that occur when electricity flows through a conductor. All these effects change the flow of electricity in the wire.

When the wire carries an audio signal of your music, these changes can be heard as distortion to the music. And they spoil your enjoyment of your favourite music.

Black Rhodium engineers have discovered that there are at least seven Laws of Physics that affect the sound quality of an audio cable including conductor choice, insulation and its susceptibility to vibration and electrical interference.

To counteract these forms of audible distortion, Black Rhodium has tested many different solutions. Some are well known techniques used universally in cable design whilst others have been specially developed by Black Rhodium.

In many cases, Black Rhodium has employed two or more different 'distortion busting' design techniques to reduce each type of audible distortion. These act complementarily to deliver greater freedom from distortion and enjoyment of music.

Very extensive listening tests have conducted and very many cable samples with small but significant differences in materials and construction have been auditioned. The hours of auditions have created a wealth of valuable design information. The end result is a cable that delivers outstanding sound quality and value for money

A QUANTUM LEAP IN SOUND QUALITY

Black Rhodium research demonstrates the benefits to music reproduction when all known types of cable distortion are minimised by design.

Listening tests carried out by Black Rhodium show a 'Quantum Leap' in musical quality when using a cable designed from scratch to minimise ALL types of cable distortion compared with a cable designed to minimise MOST distortion types.

In recent years, Black Rhodium cables have excelled in reducing MOST types of cable distortion and have won many '5 Star' awards for their excellence. Our latest cables have been designed specially to minimise ALL distortion in cables and we are constantly amazed by the clarity and natural presentation of music.



Design of CHARLESTON

CHARLESTON has been designed from scratch to minimise all types of distortion that can influence the sound quality of a loudspeaker cable with many proprietary Black Rhodium 'distortion busting' engineering techniques.

High End Rhodium Plated Locking Connectors



Black Rhodium rhodium plated locking plugs

CHARLESTON Loudspeaker cables are terminated with Black Rhodium Locking rhodium plated plugs.

Rhodium plating is applied to the Black Rhodium locking plugs to ensure a cleaner and less corroded contact is maintained between the plug and socket and its effect a much livelier and more exciting sound from the music.

Additional security of the connection between the plug and terminal is achieved by turning the screw cover to the plug. This creates a very strong connection that is not easily removed by force.

CHARLESTON can also be supplied rhodium plated spades to customers' request.

BiWiring



Amplifier to HF driver



Amplifier to LF unit

The lack of compromise of design in Charleston requires special consideration when used for BiWire loudspeakers. Applying the special design procedures for building Charleston loudspeaker cable to a set of loudspeaker links would not be an elegant solution and we recommend using high quality speaker links such as Black Rhodium Waltz speaker links as a temporary solution.

Black Rhodium strongly recommends that where **CHARLESTON** is used with BiWire loudspeakers, then a second set of cables should be used as above. The practice of Bi-Amping, in which separate amplifiers are used, is will produce even better sonic results.

Specifications of Black Rhodium **CHARLESTON**

- Deep Cryogenically Treated Silver Plated copper stranded conductors
- Braided screen and vibration damped along its whole length
- Large ferrites for reduction of RFI
- Rhodium plated 4mm locking plugs
- Rhodium plated spade termination available on request
- Cable assembled by hand in England

How **CHARLESTON** sounds.

“A l’écoute le Black Rhodium Charleston diffère de presque tous les autres câbles pour enceintes. Les notes hautes des chœurs montent en flèche sans aucune compression apparente, les notes basses sont très claires, détaillées et précises.”

<https://www.opus51.fr/nouveautes-hifi/item/899-black-rhodium-charleston>

www.black-rhodium.co.uk