

**Black Rhodium Introduces a new Pure Palladium Interconnect with Vibration Stabiliser**

# CANTATA



Cantata DCT++ with GN-4R DCT++ and Crystal Sound Treated Rhodium Plated RCA connectors



DCT++ and Crystal Sound Treated Rhodium Plated XLR connectors

Black Rhodium announces the launch of the new CANTATA stereo interconnect cable.

## ***Advanced Cryogenic Processed Pure Palladium Cable Mechanical Vibration Stabiliser for a Superior, High Impact Sound.***

**CANTATA** is exceptional. It is made from conductor wires of cryogenically processed pure palladium. It is most probably the most technically advanced audio cable currently available. In that it is truly special and most probably unique.

But Cantata is much more than a cable made from advanced conductor wires. The design of Cantata incorporates many additional design features researched and tested to deliver the best possible sound quality in an environment of extraneous mechanical vibration, magnetic fields and radio frequency electrical noise.

### ***Pure Palladium wire***

The conductor wires in **CANTATA** are made from pure palladium. Palladium is extremely expensive to produce and its application in **CANTATA** is justified by its exceptional sound quality. Our research over many years has failed to identify any other conductor material that can give the same naturally pure quality of sound. The only materials we have heard that can demonstrate superior sound quality to palladium (Platinum or Rhodium) are considerably more expensive.

### ***Advanced Cryogenic Processing for a Superior, High Impact Sound.***

**CANTATA** is treated with our advanced DCT++ Deep Cryogenic Treatment. This involves temperature processing above and below room temperature. The DCT++ process alters the molecular structure of the cable to improve uniformity. The benefits of this are everlasting and bring an improvement to every single aspect of the cables performance.

### ***Low Loss PTFE Insulation used to Reduce Time Smeared Distortion.***

The silver wires in **CANTATA** are insulated in PTFE because its low dielectric loss ensures extremely low distortion due to dielectric absorption effects in which sound energy is absorbed in the insulation and released at a later interval of time to create highly audible time-smearing distortion. Dielectric distortion is further reduced by a layer of air separating the wire from the inner wall of the insulation along its length.

### ***Vibration Stabiliser Cuts Audible Distortion from Mechanical Vibration***

**CANTATA** is fitted with two GRAHAM NALTY LEGACY RANGE VS-2 Vibration Stabilisers. The Vibration Stabiliser has been specially designed to reduce audible cable distortion in cables by limiting the effects of vibrations travelling through the conductor wires which can cause audible distortion to your music. Mechanical vibration within audio cables changes the electrical characteristics of the cable seen by the sensitive electrical voltages that carry the music signal. The effect of these changes in electrical characteristics is to modulate the sound signal and create the intermodulation effects that we hear as noise and distortion in the music. By applying Vibration Stabilisers at both ends of the cable, mechanical vibration introduced at either end of the cable is very effectively reduced.

The benefits of a tighter sound of the VS-2 are enjoyed in all types of music, but in particular plucked strings such as double basses and harps are reproduced in a much sharper presentation, and massed voices in a choir sound more like a choir of individual voices.

### ***Anti RFI / EMI Technology to Further Reduce Distortion.***

**CANTATA** is covered in a braided screen to protect the inner cores from picking up radio frequency interference (RFI) by twisting the cores. The screen is connected at only one end to prevent 'loop aerials' between equipment picking up noise. An untwisted cable has a large surface area that can more easily pick up RFI/EMI signals generated from Radio, Wifi, Mobile Phones and even central heating systems.

Complementary filtering techniques are additionally applied to ensure that any interference that does penetrate the cable's very effective defences is effectively neutralised preventing audible distortion interfering with the music.

All these treatments are designed to reduce the amount of audible distortion in the cable, allowing cleaner, clearer sounds to be enjoyed from your equipment.

### ***Advanced Manufacturing Techniques to Reduce Noise and Distortion.***

**CANTATA** uses two separate cores for positive and negative signal flows. These are connected in opposite directions from the way they were wound on the reel. Our listening tests have shown when connected this way the noise floor between the musical notes lowers. This gives 'blacker' silences in the interval between musical notes and enhances reproduction of the musical edges and natural decays in music.

### ***High End Rhodium Cryogenically Processed Plated Connectors***

**CANTATA** is terminated with ultra-high quality Rhodium Plated plugs. The RCA version is terminated with specially designed GRAHAM NALTY LEGACY RANGE GN-4 RCA connectors. These have been specially manufactured to ensure that Black Rhodium cables deliver the very best sound quality possible. The XLR connectors are the new Black Rhodium XLR connectors designed especially for use in Black Rhodium cables.

Rhodium plating is applied to the plugs to ensure a cleaner and less corroded contact is maintained between the plug and socket. The benefit of rhodium plating over gold plating is a much livelier and more exciting sound from the music.

Specification of Black Rhodium **CANTATA** stereo interconnect cable

- Cryogenically Treated Pure Palladium conductor wires
- Insulated in PTFE for low dielectric absorption and clearer sound
- Tightly braided screen to reduce RFI noise and distortion
- All connectors rhodium plated for long term reliability and resistance to corrosion
- All connectors cryogenically treated with additional Crystal Sound technology
- Attractive black outer braid with high gloss labelling
- Cables can be supplied with either RCA or XLR connectors
- Capacitance of RCA terminated 1m cable 67pF
- Capacitance of XLR terminated 1m cable (Positive to Negative) 60 pF
- Vibration Stabiliser weights 2 x 85 g

For further information, please contact Graham Nalty :

**Tel:** 01332 342233

**Fax:** 01332 342373

**Email:** [info@blackrhodium.co.uk](mailto:info@blackrhodium.co.uk)

**Web:** [www.blackrhodium.co.uk](http://www.blackrhodium.co.uk)