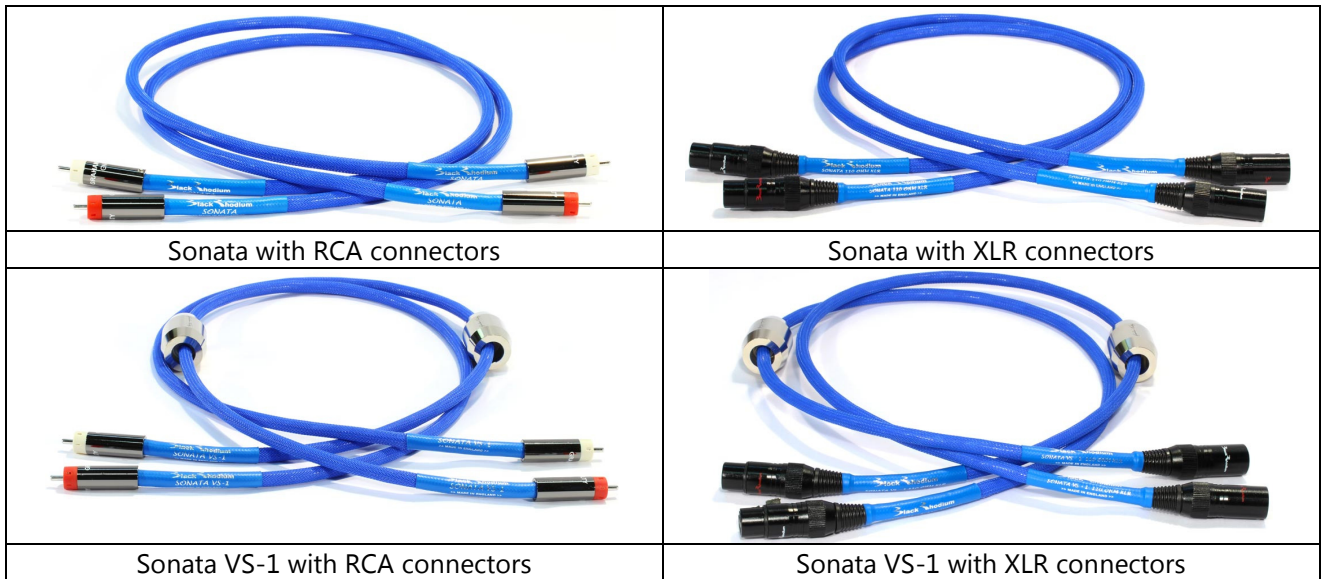


## Black Rhodium Introduces a new 110 Ohm Balanced Interconnect Cable

# SONATA



(Digital Versions also available)

Black Rhodium announces the launch of SONATA stereo interconnect cable.

### ***110 Ohm AES/EBU specified impedance for optimum transmission of balanced digital cables via XLR***

**SONATA and SONATA VS-1** are manufactured to an exacting 110 ohm specification to make **SONATA and SONATA VS-1** an ideal cable for balanced digital applications using XLR connectors. This specification also delivers much improved sound quality on semi-balanced RCA terminations compared with traditionally designed interconnects.

### ***Low Transient Phase Distortion through Innovative Design.***

**SONATA and SONATA VS-1** give a very clear diction of a singer's voice and separates musical instruments superbly through a dramatic reduction of 'Transient Phase Distortion'.

'Transient Phase Distortion' is reduced by using thicker insulation than is usual in interconnect cables, increasing the distance between conductors. This reduces the magnetic field seen in each conductor wire as a result of the magnetic field created by the current in the other conductor wire. The benefit in listening is a clearer and more open sound quality.

### ***Low Microphony design delivers superior musical dynamics***

**SONATA and SONATA VS-1** employ a special conductive low microphony layer that reduces the triboelectric effects that occurs when friction between the screen and the insulation creates an electrical charge. By separating the screen and insulation by a special conductive layer, the charge is quickly dissipated. This prevents microphonic noise voltages

between the screen and conductor being generated. Such noise could modulate the sensitive electrical signal used to create music through the speakers and create out of phase distortion that is easily audible. By eliminating this form of distortion, the music becomes clearer and more dynamic, with greater ambience and experience of the music's emotional qualities.

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

**SONATA and SONATA VS-1** is covered in a tightly braided screen to protect the inner cores from picking up radio frequency interference (RFI). Further screening is provided by the conductive 'low microphony' layers and 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.***

**SONATA and SONATA VS-1** use two silver plated copper cores for positive and negative signal flows. These are connected in opposite directions. 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.

PTFE insulation is used 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.

### ***High End Rhodium Plated Connectors – A Cable Is Only Good When All The Parts Are The Very Best Around!***

**SONATA and SONATA VS-1** 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.

## ***Vibration Stabiliser to Reduce Distortion – VS-1 versions only***

**SONATA VS-1** is fitted with a Graham Nalty legacy Range VS-1 Vibration Stabiliser on each cable. 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. The benefits of a tighter sound of the VS-1 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.

### ***Specification of Black Rhodium SONATA.***

- Silver plated copper conductors
- Insulated in PTFE for low dielectric absorption and clearer sound
- Low microphony layer to increase musical dynamics
- Tightly braided screen to reduce RFI noise and distortion
- All terminals rhodium plated for long term reliability and resistance to corrosion
- Attractive blue outer braid
- Cables can be supplied with either RCA or XLR connectors
- Capacitance of RCA terminated 1m cable 106pF
- Capacitance of XLR terminated 1m cable (Positive to negative) 53pF
- Vibration Stabiliser weight 155 g (VS-1 versions only)