



HPC-35R 3.5mm jack – 2 x RCA phonos



HPC-35R

With the advent of iPod, we can enjoy listening to music in many different places. Due to its convenience and portability, those portable music players are regarded as the new generation of the music player not only by end users but audiophiles.

The portable headphone amp has appeared on the scene and has become very popular. By developing audio accessories, the sound quality of portable audio player has been improved. Products that connect them are in strong demand. Producing specialised cables for headphone amplifiers is a challenge and an opportunity. As a result, Oyaide have produced "HPC series" which enhance sound quality of your music player and satisfy you anywhere with it.

Conductor and Insulator

For the cable of HPC-series, we employed the newly-produced HPC-22W cable which has the ultrafine PCOCC-A conductors (80 μ for a unit) for its high transmission property and usability. Rather than twisting whole wires, twenty of 0.08mm wires are unified in a unit and the three units are grouped as a conductor which is geometrically-stable. Herewith, it insures uniformity of wire structure, infilling of internal space and preventing deformation among the wires. Furthermore, its diameter is 0.3sq (AWG22) which is three times bigger than a regular cable. It provides you sharp attack and hi-speed response of the sound. For the insulator of HPC-22W, 0.18mm thick PFA (Teflon) is employed for its outstanding electric characteristic and lossless transmitting capability.

Flexibility

A headphone cable must be flexible and heavy-duty. To enhance cable flexibility, the parallel-layout signal lines keep even pitch by internal cotton fibre which includes air chamber. It holds down electrical permittivity and improves mechanical strength.

PCOCC-A

PCOCC copper is a material that includes very few impurities and insures very low levels of signal disturbance. Because of its low incidence of grain boundaries, the signal passes without impediment or distortion. Heating and cooling the PCOCC wire under controlled circumstances yields a densely re-crystallized, highly pure structure called a μ conductor. The resulting product with a mirror finish applied is called PCOCC-A copper. This highly advanced product is made possible by the combined application of high technology and traditional Japanese craftsmanship.

The original connectors (3.5mm mini plug, RCA plug)

The metal parts of the plug are specially designed for the HSR series and made from RoHS compliant brass. After careful machine barrelling, silver (inner) and rhodium (outer) are directly plated on the contact pin. These plating not only protects from corrosion but also help to improve transmitting capability.

The outer shell is carefully processed by NC machining and plated by hard chrome like a body of camera. These plugs are soldered to the cable by using "SS-47" which is an Oyaide original solder and is produced specially for audio application.

Conductor	PCOCC-A 0.3 sq mm (3/20/0.08) x 2
Insulator	PFA (Teflon)
Shielding	PCOCC-A shielding (53/0.12)
Outer Sheath	TPE (olefinic elastomer)
Electric characteristic	Conductor resistance : max. 67.9[Ω /km] Insulation resistance : min 1 [M Ω /km]
Connector Contact	Brass: Contact plating Silver(1.5 μ) + Rhodium(0.3 μ)

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