Allnic ZL-5000 Speaker Cable

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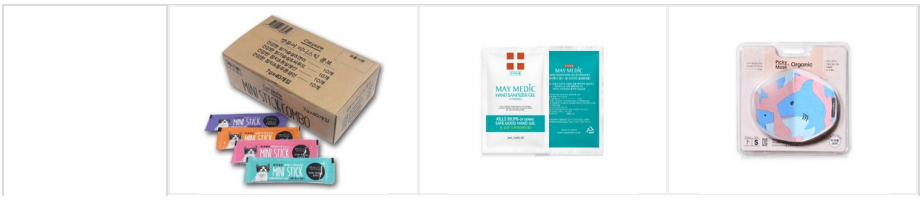

Pure world of sound without any taste

I confess that I'm using Allnic products with speaker cables. This is ZL-3000, the younger brother of ZL-5000. As I write it, there is no suggestion to logically break the analysis of the Olnick speaker cable or to sink the benefits. I just want to describe the design core of the Olnick speaker cable and the ZL-5000 world as objectively as possible.
The biggest feature of the speaker cable is that the current flows large enough to be called a power line. Unlike other signal cables, you need to send a large amount of current 'roughly' to

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the speaker. This can be clearly explained by the famous Ohm's law (V = I × R) and the power formula (P = I × V). In other words, if P (power) = I (current) x I (current) x R (resistance), for example, when a 200W amplifier is bitten by an 8Ω speaker, the amount of current flowing through the speaker cable is 5A. Recall that the current through the interconnect cable is usually only a few mA, which is a huge amount of current. 2.5A flows even at 50W output. Eventually, no matter what advanced technology or breakthrough ideas like Columbus's egg, a new speaker cable was born, the speaker cable's task is to get the big current through the speaker without interruption. This requires minimizing all the resistance a speaker cable can have, so designing it to allow 5A current to flow at 200W output is key.

At Olnick, we looked at the 'resistance' that speaker cables can have from three perspectives. Every effort has been made to minimize the three resistors that occur in the cable to near 0%. It is the wire resistance of the wire (conductor) itself, the contact resistance of the terminal, and the linkage resistance of the terminal and wire. That's why Olnick named it 'Zero Loss Technology' as its own cable making technology, and added 'ZL' to the speaker cable and power cable model names.

First of all, the ZL-5000 is relatively thin, with a total diameter of only 16 mm (12 mm for the ZL-3000), compared to the thick speaker cables that are soaring these days. This is because numerous tests have found the optimum wire size and thickness to minimize wire resistance. It was 'plating high purity copper cable of 4.0 square or more with nickel etc.' It is nailed as 'more than 4.0 squares' because the conductor has the optimal thickness and seam bow. The thinner the conductor, the higher the highs, but the lower the weaker. Conversely, the thicker

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the sound, the dull the sound. It's a compromise, after all, that the best gauge is '4.0 square or above'. The conductor resistance of the ZL-5000 published in the specification is 0.007Ω / m (ZL-3000 is 0.008Ω / m).

Plating wires also has a reason. Copper is corroded even if it is in the cladding. This is because air somehow enters the sheath. If plating is not performed, copper will corrode and combine with oxygen or sulfur to generate gas. When rusted, the surface becomes rough like a gravel field, acting as a lethal resistance for loudspeaker cables carrying large currents.
In addition, the shielding effect is maximized through a jacket wrapped with crystal clear PVC in pure copper, while the Y-shaped splitter is fully protected against dust prevention with a duralumin housing containing silicon inside. The silicon ring is mounted in the four splitter grooves to catch the resonance (damper role), and duralumin instead of aluminum is said to cause the resonance at 27 kHz.
Contact resistance is minimized through the innovation of terminal terminals. Olnick's patented clip terminal (rhodium-plated on cryogenic titanium copper) has a wider contact ratio than direct connection. In fact, the terminal terminal's elasticity is not a joke when fastened to the speaker binding posts. The force that the 'c' shaped clip pushes up and down towards the speaker binding post is so great that it cannot be easily pulled out once.
The connection resistance was eliminated by heat welding. The terminal and wire were fused together by a super high temperature heat welding method of more than 1000 degrees. Such welding is more scientifically and acoustically effective than conventional soldering or clamping methods (so-called cold welding). Since lead has a resistance value of 16 times that of copper, it is inadequate for pure signal transmission. The clamping method also tends to loosen and corrode over time.

It is a treasure to be put on even if the beads stand. I listened to some songs. The ZL-5000 was used in the Olymnic D-3000 (DAC), the KT150's two-channel output 100-watt T-2000 25th Anniversary (Integrated Amplifier), and the Turnberry GR (Speaker) of the Tannoy Prestige Line.

`` Don't Believe In Love '', sung by a female vocal daido, clearly shows why the ZL-5000 is above the ZL-3000. Of course, the lack of any miscellaneous taste or lint of the sound seems to be a common feature of the ZL series. It's like a spring water in the early morning sun. But on the ZL-5000, the tension is more vivid when the kick thumps the bass drum.

Mendelssohn's Scottish Symphony, directed by Peter Mak and performed by the London Symphony Orchestra, is well positioned with each orchestra instrument intact. In addition, the momentum of each note is so great that it seems to hear the orchestra playing in the field.

The most surprised thing was Oscar Peterson Trio's 'You Look Good To Me'. When I listened to the ZL-3000, it was characterized by a wide sound stage and the power of the piano keystrokes. The S / N ratio has increased significantly, and the sound stage has widened to its thickness and pushed it to the listening point.

Let's conclude. As a real buyer and user of the ZL-3000, what is your impression of listening to the ZL-5000? It is 'a fictitious imagery processing ability that draws expression near to realism, consequently an increase in musical immersion, and even traces of musicians.' It is also clear that the ZL-5000 is a few places in dynamic reproduction. Fortunately, transparency and color could not be distinguished in the ZL-3000 and ZL-5000. Then, what about the other speaker cables? The Olnick ZL-5000 is a different level in the sense that the amplifier delivers the effortlessly amplified source to the speakers without any loss (zero-loss).

Distributor Audiomentos (031)716-3311 **Price** 3.8 million won (2.5m)

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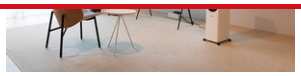

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