

# *Audio Sensibility*

[www.audiosensibility.com](http://www.audiosensibility.com)



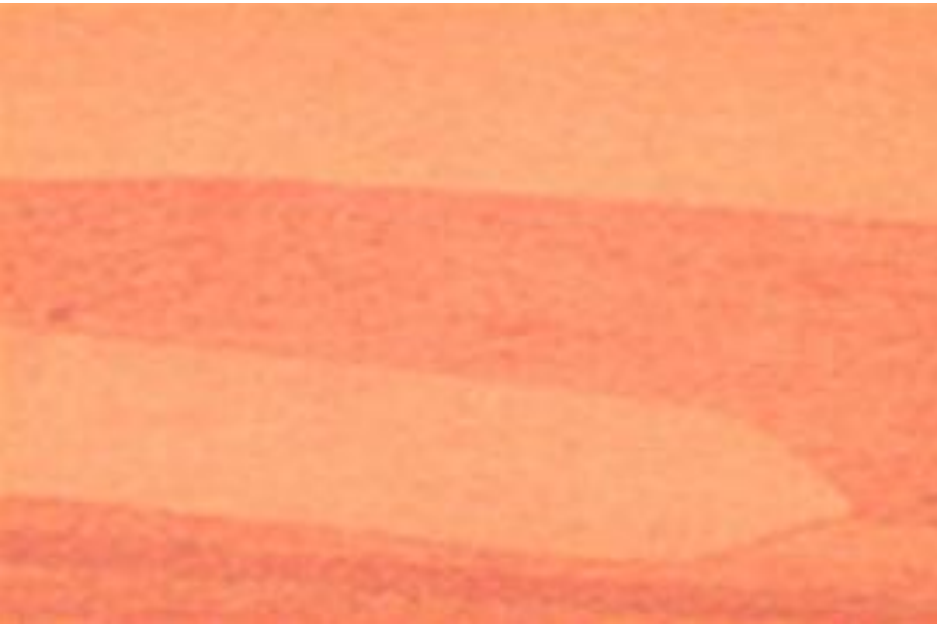
*With Audio Sensibility, trust what's inside your cables.*

Audio Sensibility offers a complete line of high-end audio cables using the finest materials and manufacturing processes.

- Ohno Continuous Cast (OCC) Copper and Silver wire.
- Furutech connectors.
- Custom manufactured stainless steel connector bodies
- Cryogenic treatment of all wire and connectors.
- Special materials for EMI/RFI shielding.

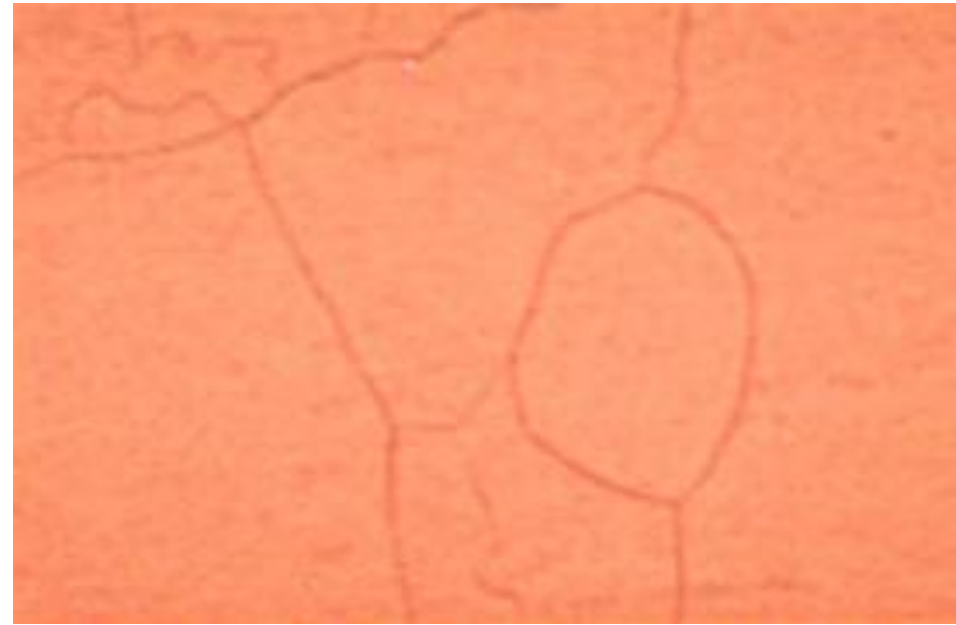
All of our cables are hand-crafted by skilled professionals in Canada. We offer a 10 year transferrable warranty on all cables and a 30 day money-back guarantee

# Ohno Continuous Cast (OCC) Copper and Silver Wire.



OCC Copper

1 Crystal per 125 meters



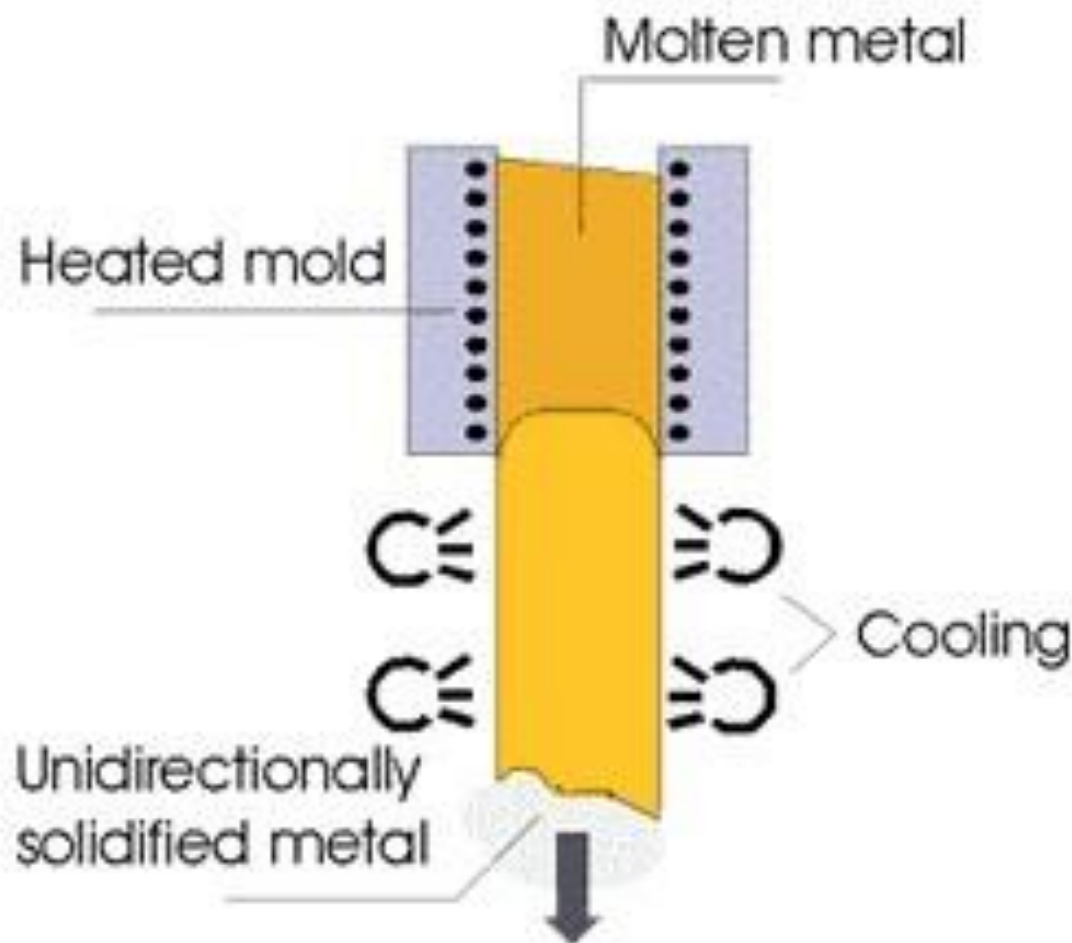
Oxygen Free Copper

5000 Crystals per 1 meter

No crystal grain boundaries within the conductor to interfere with signal flow, resulting in the lowest distortion possible.

# Single Crystal™ (OCC) Continuous Casting Process

## OCC Process





The metal must be drawn at an extremely slow speed to ensure that a continuous crystal structure is formed.

The production rate of OCC wire is very low compared to conventional casting approaches, which dramatically increases the manufacturing cost.





Dr. Atsumi Ohno of the Chiba Institute of Technology in Japan, developed and patented the OCC process in 1986.

Dr. Ohno received his PHD in Metallurgical Engineering from the **University of Toronto, Canada.**

In 1989 he provided a very generous research endowment to the university.

A photograph of two men standing in a laboratory. On the left is Steven Huang, wearing a light-colored short-sleeved polo shirt and dark trousers. On the right is Dr. Hirosho Soda, wearing a grey and white patterned sweater over a collared shirt and dark trousers. They are standing in front of a large green metal cabinet with many gauges and switches. To the right is a green workbench with various tools and equipment. Large windows with blinds are in the background.

Steven Huang  
Audio Sensibility

Dr. Hirosho Soda  
OCC Research Lab Supervisor  
University of Toronto

University of Toronto OCC Research Lab



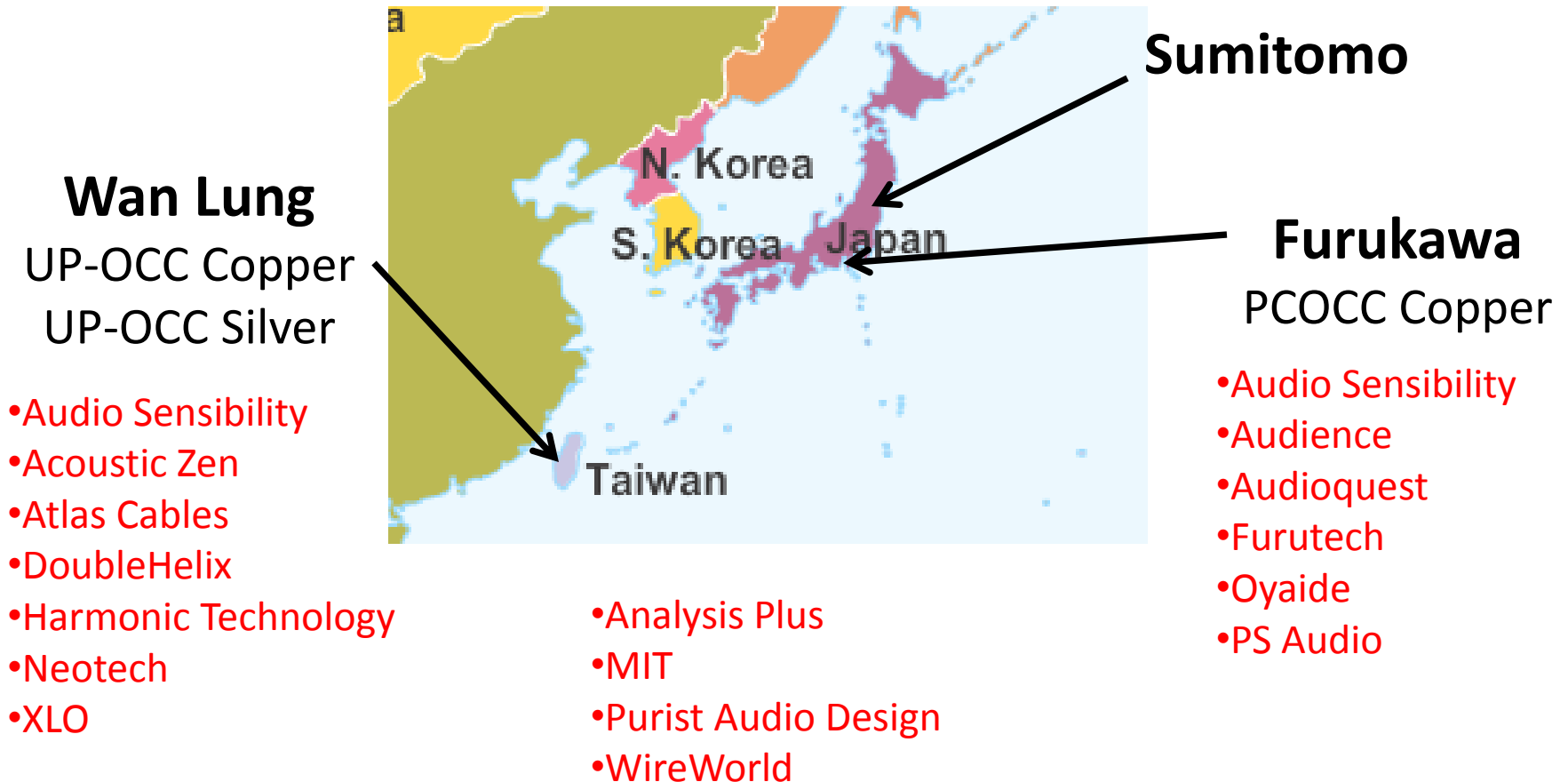
**Dr. Robert Huang**  
**PHD Chemical Engineering, 1962**  
**University of Toronto**

**Dr. Atsumi Ohno**  
**PHD Metallurgical Engineering, 1963**  
**University of Toronto**

**Dr. Ohno is a friend of the family.**



**The following companies are licensed to produce OCC Metals.**



**The following cables companies use OCC Metals.**



## Why choose Furutech connectors for Audio Sensibility cables?

- Furutech is the market leader for supplying audio grade connectors.
- The premier cable brands/models in the world use Furutech connectors simply because they are the best available, regardless of cost.

# AC Connectors





# Signal Connectors





We manufacture our own 303 Stainless Steel (SS) connector bodies in order to optimize the cable-connector interface.

- SS has excellent mechanical vibration control characteristics. Minimizing cable vibration reduces microphonic effects which add noise to the audio signal.
- SS has excellent electrical shielding properties. Minimizing EMI/RFI noise pickup ensures improves the fidelity of the original audio signal.
- We design our connectors to custom fit our cables. Our connector bodies have an over-sized Inner Diameter (ID) to accommodate the complete cable housing. Our competitors often try to squeeze their cables into standard connector bodies by stripping cable insulation and/or eliminating the protective polyester sleeving and heat shrink layers.





Our stainless steel connectors are manufactured by LJT Manufacturing (aerospace CNC manufacturing), located in Newmarket, Ontario, Canada.

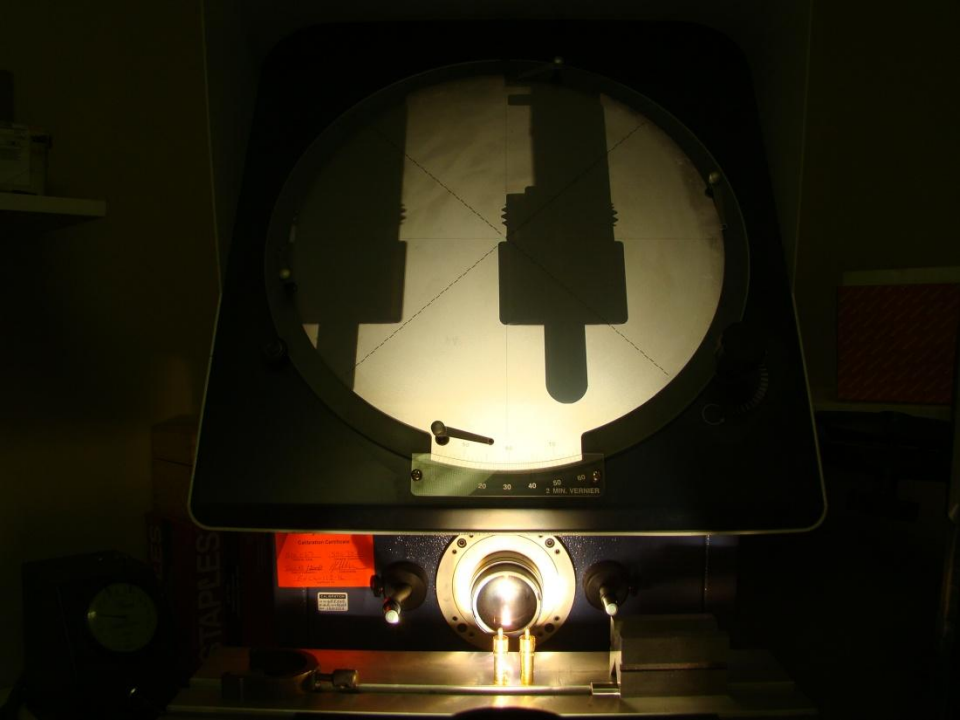
TTWeights Audio is a subsidiary of LJT Manufacturing, and makes high-end Servo Rim Drive Turntables and Analog Accessories.













# Cryogenic Treatment

All of our wire and connectors are cryogenically treated, either by the manufacturer (in the case of Furutech connectors), or at our local cryogenic facility.

The computer controlled vapor cryogenic process involves an 8 hour rampdown from ambient temperature to -310°F, “soak” or hold at -310°F for 10 hours, and a rampup to ambient temperature of 24 hours.





# How Cryogenic Treatment Works

During the cooling or solidification phase of the wire manufacturing process, molecules are trapped in a haphazard pattern. This random placement causes obstacles for electrons when encountered. This interference can cause noise, slow down electron flow and will negatively affect the quality of the music being played. At very cold temperatures (below -300°F), the molecules will align in a more uniform, compact structure through the removal of kinetic energy.

The use of extremely fine grained Ohno Continuous Casting (OCC) copper in conjunction with cryogenic treatment results in the most uniform crystal structure possible, providing the ultimate in cable performance.