

# Cable Roundtable



## Edwin Rynveld

**CEO and Chief Designer, Siltech Cables**

### How did you get into the cable business?

I bought the Siltech company in 1992.

### What design factors do you think are most important in a cable?

- Conductor quality, purity, crystalline or grid structure.
- Insulator quality and properties.
- Construction and precision of manufacturing.
- Shielding quality against magnetic fields, and shielding against various types of inductive noise.
- Stable behavior under mechanical stress, like bending cables or stepping on them.
- Stable behavior with variations of a wide range of frequencies, voltages, currents, and power levels.

### What is the biggest misconception about cables?

That the performance of cables cannot be measured; it can be very well with our advanced equipment.

### How are today's cables different from those of 20 years ago?

In the last 20 years, many purer conductors and multi-layer insulators have become available.

### Are more advancements possible, or have we reached the limits of technology?

Our company relies heavily on its research with, for example, Comsol Multiphysics, giving clear insight into the through-behavior of cables. Our current research is groundbreaking and leading to higher immunity to external noise sources and magnetic fields. These disturbances have increased in strength and frequency range over the years. That is caused by computers, smartphones, switching power supplies, TV sets, and more. All pollute the environment and influence the sound of your hi-fi system.

### Edwin Rynveld

Edwin van der Kley-Rynveld is a Dutch electronics engineer, born in 1953. He loved to make audio equipment, play music, and listen to LPs in his young years. As a professional he worked for Philips Hilversum (computer division) and Exxon. In 1983 he started two companies, Audio Service (service and design of hi-fi equipment) and Instrument Service (design, modification, and maintenance of medical equipment). In 1991 Edwin got a chance to purchase Siltech, high-end manufacturer of Siltech cables and Sphinx (Sphinx in Japan) equipment. He has professionalized and expanded the company ever since. His credo is using fundamental scientific research, analysis of metallurgy, magnetic fields, and insulation-material effects—as well as the acoustic behavior of musical instruments—to combine pioneering technologies with the lessons of nature and art. Leading International Audio Holding, the company behind the brands Siltech and CrystalConnect by Crystal Cable, he strives continuously for perfection, improvement, and high-end quality in engineering, production, and all outings. These efforts are serving one goal: reproduce live music in the best, most pure way.

