



MUSIC WIRE

**Music wire is best known for only one of its uses.
The most used materials for music wires are steel, nylon and gut.**

Music wires made from steel are durable and provide a clear sound. Usually, steel music wires are made from high carbon steel which make them perfect for high stress applications such as piano strings. In the piano, for instance, the wire is stretched to an extreme amount of tension, and it is continuously struck by hammers to create the piano's sound. This example provides a great illustration of the strength of music wire.

There are many different types of strings available for all different kinds of instruments. Hence, the wire requirements are numerous depending on the actual application of the product.

Music strings can either be wound – here we differentiate between round-, flat- and halfwound with either a hexcore or a round core – or they are just a round string.





Each type of string has its own characteristic, which can change the sound of the instrument. However, music wire is a highly versatile type of wire and can be also used in various other instruments, such as violins, guitars, etc.

Choosing the right string for a particular instrument and desired sound can have a big impact on tone quality. Hence, it is very important to check and change the strings on a regular basis to ensure optimal sound quality and a long life of the instrument.

What makes our products so unique?

- » Best possible tension distribution inside the string for unique sound behaviors
- » From ore to wire from one single source. Thus, maximum flexibility in all process steps.
- » Products developed on a customized basis to meet the highest requirements
- » Consistent and uniform tensile strengths as well as tightest diameter tolerances and ovality dimensions
- » Worldwide operation with the necessary logistics
- » Environmental friendly and most advanced production facilities
- » Local sales hubs

Product portfolio steel core music wire

Specifications

Used material grades: high carbon steel

- » Typical diameter range: 0,080 - 0,500 mm
 - » Typical tensile strength: 1950 - 3200 N/mm²
 - » Surface: brass
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- » Typical diameter range: 0,600 - 1,050 mm
 - » Typical tensile strength: 2260 - 2440 N/mm²
 - » Surface: bare

Quality Control

- » EN ISO 9001:2015



For detailed information regarding our certifications, visit our webpage www.voestalpine.com/wire