JANTZEN AUDIO
DENMARK

C-Coil™

C-Coil ™ is winded around a sandwich core, and it has extremely low resistance and can shift a large amount of without getting over heated.
The core is formed like a swim ring with a round cross section, and it is winded from a long piece of metal band.
The width of the metal band narrows in and out according to a specific mathematically formula.
The surface of the core is epoxy coated to secure against short circuit even at very high load.

We have tested the inductor with a carrying load of 1000 Watt, and it lasted and stood up well.
It can stand upto 700 Watt per 48 hrs in one go.
We are very satisfied with the result.
The C-Coil is designed for Bass, Sub-Woofer and Amplifiers, and we can wind on different core sizes using baked wire from 1,4 upto 2,0 mm diameter.
We can produced in 1,40mm wire with insulation grade 1,
and in insulation grade 2 of wire diameter 1,60mm, 1,80 mm, 2,00mm.

Feature Points:

1. **extremely low resistance**

2. **using shrink foil we avoid microphone effect**

3. **shrink foil is stabilizing the winding and inductance.**

RoHS compliance

As an example we can state the following data on one of the new C-Coils:

4,7 mH 0,080 ohm wire: 1,8 mm diameter round core: 100 mm diameter

The C-Coil is not suited for higher tones due to it´s limitation caused by the core distortion.
C-Coil has to be used, where ordinary inductors get over heated.
For higher tones the very best choice will be our Cross Coils or our baked wire Air Coils.

We will forward our C-Coil data lists in due course.