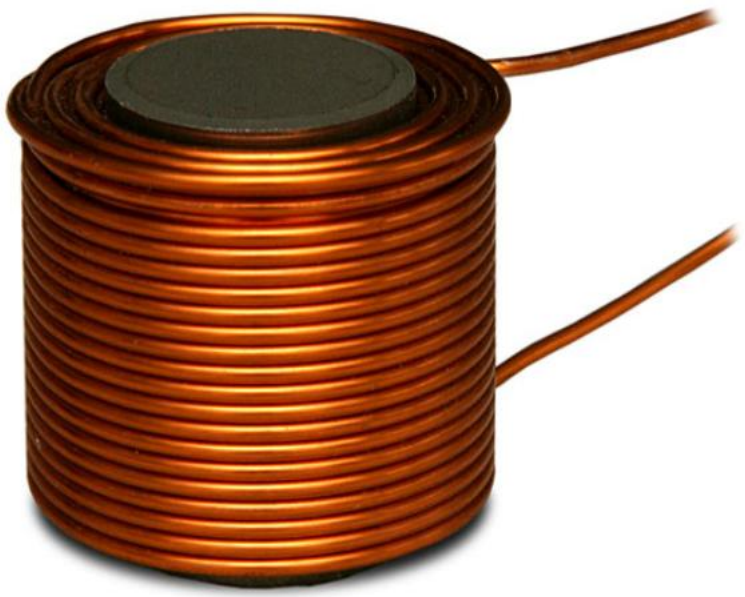
JANTZEN AUDIO

Iron Core Coil



PRODUCT FEATURES

Our iron cores are made from **non-ferrite** pressed *Somaloy* iron powder.

We generally recommend application of Iron Core Coils for bass & mid-range sections on crossovers and as a rule of thumb; for positions on the crossover crossed below 1.2 kHz.

All ferromagnetic cored inductors will have various levels of audible noise / distortion (hum).

When such noise / distortion (hum) becomes audible will depend on various driver and crossover specific factors, which is best determined by doing real world listening tests.

For more information about non-ferrite and ferrite cored inductors, please read our article found **HERE.**

The Iron Core Coils feature low DCR which does not alter driver damping factor or add to loss of efficiency.

Power handling capability is determined by core size and wire thickness.

It features high-purity copper wire and is made with baked wire (bonding lacquer) spliced onto an iron (non-ferrite) core.

The iron core coil **without** end disc features more copper wire and due to less core/disc material thereby also lower distortion, which may be a better choice if the distortion from an equivalent value Iron Core Coil **with** discs has audible distortion.

Low inductance tolerance of +/-3%.

TECHNICAL DATA

- Wound with ETP (Electrolytic-Tough-Pitch) C11000 / IACS certified copper wire with insulation and bonding lacquers
- Inductance tolerance: +/- 3%
- DCR (coil resistance) tolerance: +/- 3%

Available wire gauges:

- 0,30 mm (29 AWG)
- 0,40 mm (26 AWG)
- 0,50 mm (24 AWG)
- 0,63 mm (22 AWG)
- 0,70 mm (21 AWG)
- 0,80 mm (20 AWG)
- 1,00 mm (18 AWG)
- 1,2 mm (17 AWG)
- 1,4 mm (15 AWG)
- 1,6 mm (14 AWG)
- 1,8 mm (13 AWG)