

JANTZEN AUDIO

C-COIL

TOROIDAL CORE AUDIO INDUCTOR



PRODUCT FEATURES

The unique properties of the C-Coils make them the ultimate inductors for the **bass section** on crossovers designs, where a large power handling and extremely low resistance is desirable.

The coil features a toroidal core and using shrink foil to reduce microphonic effect.

Due to the electromagnetic properties of the toroidal cores, we generally only recommend them for the bass section of crossovers, but in certain crossover designs they may also be used for lower midrange.

If the C-Coil is used for a crossover position crossed above 1.2 kHz, it is likely that there will be an unwanted distortion (hum).

It can be driver, crossover design / filter order dependent, but we generally advise to test C-Coils by doing real life listening test, before using them for mass production of speaker systems

C-Coils should under no circumstances be used for tweeter or upper midrange positions on crossovers.

All C-Coils are control measured on a professional LCR bridge before they are shipped

If you wish to control measure C-Coils yourself, kindly contact us for instructions on how to correctly control measure C-Coils.

TECHNICAL DATA

- Wound with ETP (Electrolytic-Tough-Pitch) C11000 / IACS certified copper wire
- Toroidal core made from epoxy laminated steel plates
- Power handling: 400 to 3000 Watt RMS (depending on wire thickness and core size)
- Inductance tolerance: +/- 5%
- DCR (coil resistance) tolerance: +/- 10%
- All C-Coils are measured after being wound, using a professional LCR bridge @ AC 1V - 1kHz
- Only recommended for positions crossed **below** 1.20 kHz

Available wire gauges:

- 1,2 mm (17 AWG)
- 1,4 mm (15 AWG)
- 1,6 mm (14 AWG)
- 1,8 mm (13 AWG)
- 2,0 mm (12 AWG)