



# LIBTEC SPECIFICATIONS

ZU AUDIO LIBTEC Mk.I [REV-A,B] LOUDSPEAKER-LEVEL CABLE SPECIFICATIONS + INFORMATION

**History** Libtec was introduced in 2003, and with no change to any aspect of materials or technology, only refinements in manufacturing and subtle improvement in sheathing and termination.

Zu Libtec, despite its humble size, is a high conductance loudspeaker cable intended to be used for all loudspeaker / amplifier applications. It excels in applications as diverse as very low power vacuum tube setups, as well as ultra power hungry high current combinations. Libtec has a very linear and uniform tone response, it will not hide problems in a system, yet will not introduce or reveal unwanted character. If you like the sound and timbre of your system, but you are looking for increased top to bottom resolution, better stereophonic recreation, and possibly increased dynamics and texture, Libtec is your solution.

**Product Life** 2003—

**Design** Zu Audio  
**Cable Mfg.** Zu Audio  
**Termination** Zu Audio

**Device Under Test** Libtec Mk.I Rev-B 10' [3m] terminated spade > spade  
**Bend Radius** 1-1/2" [38mm]  
**Cable Diameter** 31/64" [12.2mm]  
**Cable Y-out Diameter** 25/32" [19.7mm]

**Directional** yes, install so logo reads in the direction of power flow, amp > speaker.

**E&M Architecture** ZuB3

**'+' Gauge Size** ≈ 11 AWG [4.1mm<sup>2</sup>]  
**'-' Gauge Size** ≈ 11 AWG [4.1mm<sup>2</sup>]

**Cp** 500 pF

**Ls** 2.5 μH

**Rs** 0.04 Ω

**Shielding** ZuB3 exhibits a natural lack of RF susceptibility

**Tolerance Between Pairs** 0.1%

**Manufacturers Country Of Origin** Ogden, Utah—USA

**Life Expectancy** lifetime

**Warranty & Service** lifetime, limited, does not cover misuse or abuse



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## INSTALLATION NOTES

First, wash your hands with soap prior to handling any cable with bare metal. You don't want to push halides and other subtle tone robbers into the amplifier, cable, or loudspeaker connectors. And if you can, avoid touching the contact points. If you do touch the exposed contacts, polish with a clean cotton rag or old tee-shirt, maybe using a small amount of rubbing alcohol on part of the cloth as a solvent. Keeping the contacts free of contaminants ensures a long-term and trouble-free connection.

To clean plated connectors, shiny bright gold or silver color, just use rubbing alcohol on a cotton cloth and some cotton swabs to get into the tight parts. If the connector being cleaned is bare copper or silver we recommend cleaning them with our favorite polish, Cape Cod™.

Anytime you are making an electrical connection make it a habit to inspect the contacts and clean them if they are tarnished or dirty. Our bare copper spade lugs may need to be cleaned every year, depending on how clean they are when connected and your environment. Most any copper polish will work well for this, we have found Cape Cod™ to be excellent. Brasso™ is also very good. Acid based cleaners are tricky, if you don't have experience cleaning copper with acid we wouldn't recommend that you start with your audio gear. Most of the time your terminals are going to be in good condition and just need a little buffing, and for that you can use a bit of alcohol and a cotton cloth.

## DIRECTION OF SIGNAL PROPAGATION

Libtec is not a permanently directional cable. It can be used in either direction. However, we pay close attention to direction of manufacture of all points, from wire to cable, and identify this by placing the labels with the text reading in the direction of recommended signal flow. "Libtec" as printed would read away from the source (power amplifier), and toward the load (loudspeaker). Example: amp > speaker. Connecting it like this ensures matching channel fidelity, increased burn-in speed, and allows the user to easily identify direction after cable or gear swapping.

## BURN-IN

Libtec uses a lot of Teflon insulation in its circuits and therefore requires a significant amount of play before it's fully burned in, between 250 and 400 hours. We do not recommend any burn-in devices or special recordings. We do recommend music you enjoy, preferably upbeat full spectrum recordings—rock, roots, full orchestra, most music scores, big band.... For the possible hows and whys about burn-in please see our FAQ section of the Zu Audio website.

## NOTES

Switch your power amp off prior to disconnecting or connecting your loudspeaker cables.