



MISSION Ls CABLE SPECIFICATIONS

ZU AUDIO MISSION LOUDSPEAKER CABLE Mk.I [REV-A] SPECIFICATIONS + INFORMATION

Design	Zu Mission loudspeaker cables build upon Tesla / Litz cable technology and combines the right balance of dielectrics and metallurgy.
Production	Q3 2010—
Device Under Test	Mission loudspeaker cable 12' [3.7 m] terminated spade to spade
Signal Conductor Metallurgy	U.S. refined and drawn pure copper
Cable Geometry	Zu / Tesla / Litz
Wire Geometry	7-strand perfect lay / multi-circuit
Dielectrics	virgin white cross-linked PE
Cable Sheath	PET
Leadout Sheath	PET
Connector Metallurgy	pure copper spades high copper brass banana plugs
Connector Termination	cold forged silver bearing solder
Y-out Metallurgy & Makeup	aluminum, 100% diamagnetic
Directional	yes, direction arrows printed on y-out barrels
Rs (Red)	0.04 Ω
Rs (Black)	0.04 Ω
Conducting Area (Red)	\approx #13 AWG [2.47 mm ²]
Conducting Area (Black)	\approx #13 AWG [2.47 mm ²]
Cp	735 pF
Ls (red)	3.7 uH
Ls (black)	3.7 uH
Bend Radius	1.7" [43 mm]
Cable Diameter	0.37" [9.4 mm]
Red / Black Leadout Span	11" [28 cm] standard, custom options available
Tolerance	greater than 0.1%
Weight	15.2 ounce [430 g] each cable
RoHS	compliant
Design	Zu Audio
Manufacturer	Zu Cable Inc. Ogden, Utah
Manufacturers Country Of Origin	U.S.A.
Life Expectancy	100 years+
Warranty & Service	limited lifetime, does not cover misuse or abuse



MISSION Ls CABLE INFORMATION

ZU AUDIO MISSION LOUDSPEAKER CABLE Mk.I [REV-A]

Zu Mission loudspeaker cable is a high conductance cable and can be used for all loudspeaker / amplifier applications where fidelity is the primary concern. It performs at a much higher level than its price would suggest and it has an easy to work with supple hand.

Zu Mission 'speaker cable is engineered from the ground up and manufactured in-house to give the listener better sound through improved management and integration of conductor, wire, insulation, cabling, connector, and termination, resulting in a cable assembly that not only improves the sound of your system but feels good and is built to last a lifetime.

Zu Mission 'speaker cables are built on a signal and power transmission technology originating with Nikola Tesla, a format that allowed for very wide bandwidth and large power transmission. Within this cable format we combine pure U.S. refined and drawn copper and charge independent identical dielectrics; meaning we use exactly the same compound, including dye and pigments on all positive and negative circuits. Our competition uses wires insulated with different colors, and while you wouldn't think so, each color has its own influence on sound which brings about subtle shading and differences in tone. So why doesn't Zu's competition follow our lead? Because it's hard, and they rarely make their own cable. Color coded and easy to work with insulation is much faster for terminating with connectors, and it's essential for a nontechnical outsourced labor force.

Zu Mission 'speaker cables will require some play time before it's fully burned in, between 200 and 250 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.... Zu does offer a factory burn-in service for a small fee and two week delay while your cable is being burned in. For the possible hows and whys about burn-in please see our FAQ section.

INSTALLATION NOTES

First, wash your hands with soap prior to handling the Mission loudspeaker cable. This will remove nearly all the junk on your hands so you won't inadvertently introduce halides or other tone robbers onto the amp, cable, or loudspeaker connectors. And if you can, avoid touching the exposed metal parts. If you do touch the exposed connectors, please polish with a clean cloth, maybe using a small amount of rubbing alcohol if you are extra oily. Keeping the contacts free of the halides and 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

Mission loudspeaker cable 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 arrows on the y-out barrels. Arrow '>' would point away from the source (power amplifier), and toward the load (loudspeaker). 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.

Designed and built as a system by Zu in Ogden, Utah, U.S.A.