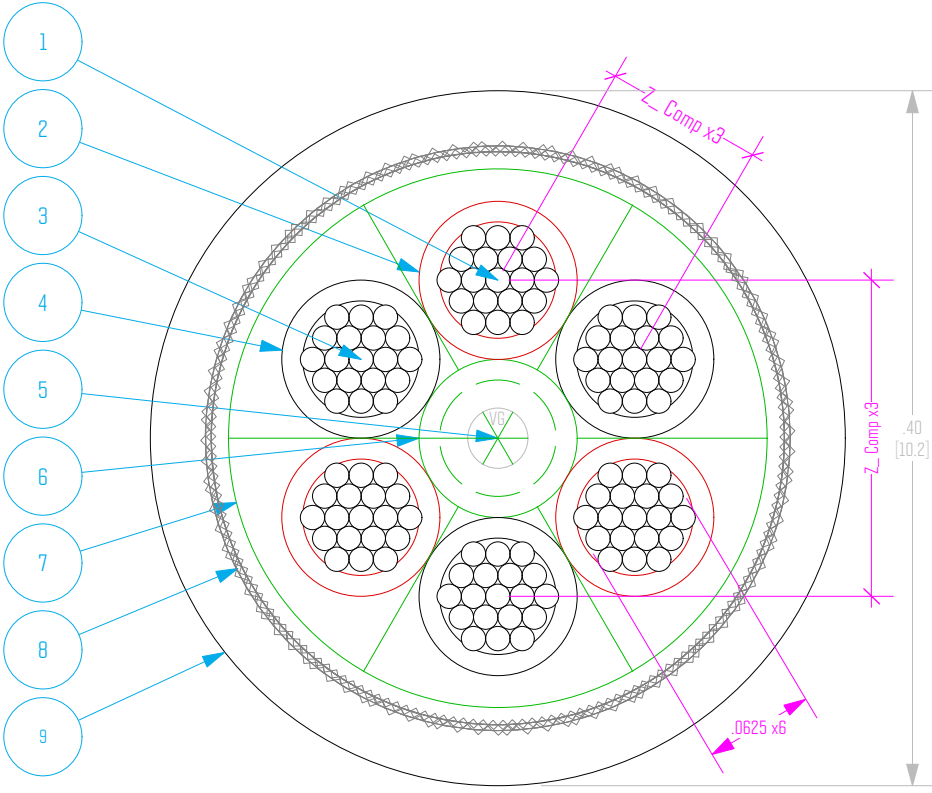


# MISSION POWER

[Mk.II]



AD COPY + SPECIFICATIONS



# MISSION-LC Mk.II AD COPY + SPEC'S

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

## INSTALLATION NOTES

First, wash your hands with soap prior to handling the loudspeaker cable. This will remove nearly all the junk on your hands so you won't inadvertently introduce halides or other corrosive/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 contaminants helps ensure 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 for this but 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.

## AD COPY

Zu Mission Loudspeaker Cable Mark-Two is a RF and static shielded, high conductance, linear impedance copper conductor loudspeaker-level cable designed\* and built to define the standard for quality entry-level hi-fi loudspeaker cables.

The new Mission cable is a refinement of the original platform and exhibits the same balance of capacitance, inductance and resistance. Were Mission-LC Mk.II is dramatically improved is its RF and static shielding ability, ensuring signal-power transmitted within the cable assembly does not pickup RF or static, preventing it from feeding back to the amplifier.

Exhaustively tested on the most relevant solid-state and vacuum tube amplifiers together with moderate to high efficiency loudspeakers (the majority being Zu of course), we are confident in Mission-LC Mk.II loudspeaker cable's ability to lower noise, improve your system's dynamic agility, and doing both without highlighting or emphasizing problems in recordings or your playback room and system. Mission-LC Mk.II has excellent resolution and has a tone center right smack in the middle of the music weighted power spectrum, which is just a touch on the warm side to most ears in most systems.

Zu Mission-LC Mk.II is engineered and manufactured in-house to give the listener better sound within a cable that also feels good in your hand, and one that is built to last a lifetime.



# MISSION-LC Mk.II AD COPY + SPEC'S

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

\* Mission-LC is built on a signal and power transmission technology originating with Nikola Tesla, an electrodynamics format that allowed for very wide bandwidth and large power transmission. Within the cable's E&M model we combine Zu spec'ed pure U.S. refined and drawn pure copper and quality high tolerance extrusions with our high precision cabling and termination.

## LOUDSPEAKER CABLE TERMINALS

Note: switch your power amp off prior to disconnecting or connecting any loudspeaker cables.

The connectors offered as standard on Mission Loudspeaker Cable include our solderless, cold-forged pure copper spade lugs in standard 1/4" [6.3mm] and oversized 5/16" [8mm], plus banana plugs and bare wire.

## DIRECTION OF SIGNAL PROPAGATION

Mission-LC Mk.II 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.

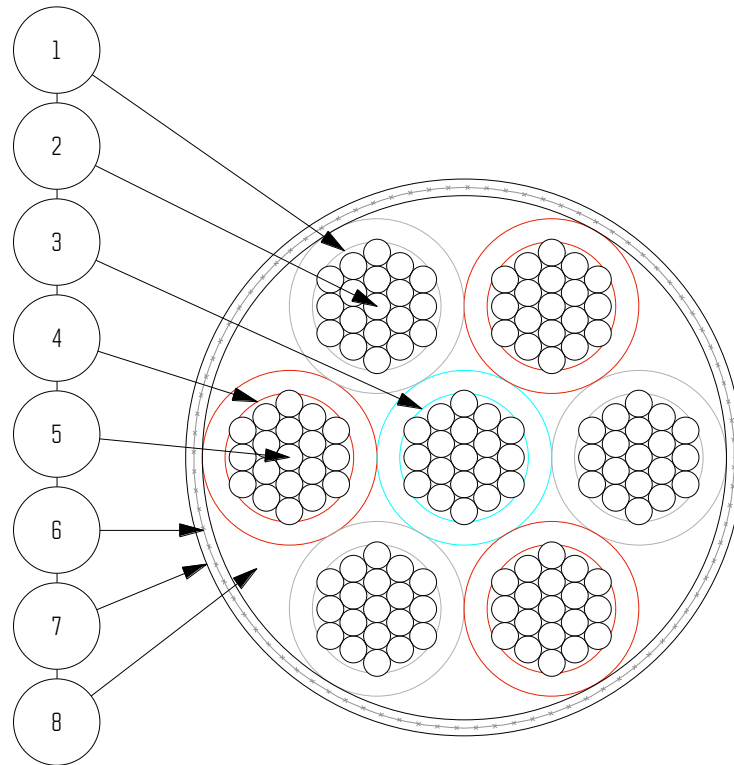
## MISSION LOUDSPEAKER CABLE BURN-IN

Zu Mission-LC Mk.II will require some play before it's fully burned in, between 200 and 300 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 a two to three week delay while your cable is being burned in. For the possible hows and whys about burn-in please see our FAQ section.



# MISSION-LC Mk.II AD COPY + SPEC'S

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



1. Telsa-Litz balanced 3x3 with center and outer grounds.
2. US refined and drawn pure copper conductors, compact perfect lay, "black" (x3).
3. Copper dimag center.
4. NPVC 300V insulation (x7).
5. US refined and drawn pure copper conductors, compact perfect lay, "red" (x3).
6. High conductive RF shunting and static dissipative carbon.
7. Braided heavy gauge monofilament Nylon sheath.
8. Dielectric: air, NPVC, copper (center), carbon, Nylon.



# MISSION-LC Mk.II AD COPY + SPEC'S

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

<b>Design</b>	Zu Mission-LC Mk.II loudspeaker cables build upon Tesla-Litz balanced 3x3 + center and perimeter ground cable technology.
<b>Revision</b>	A
<b>Production</b>	Q3 2015 – (Mk.I was in production from Q3, 2010 – Q2, 2015)
<b>Device Under Test</b>	Mission loudspeaker cable 12' [3.7m] [terminated spade to spade]
<b>Signal Conductor Metallurgy [+]</b>	U.S. refined and drawn pure copper
<b>Signal Conductor Metallurgy [-]</b>	U.S. refined and drawn pure copper
<b>Cable Geometry</b>	Zu / Tesla-Litz, balanced plus dimag copper center
<b>Wire Geometry</b>	low strand count, compact perfect lay all
<b>Conducting Area [+]</b>	approx. #13 AWG [2.47 mm <sup>2</sup> ]
<b>Conducting Area [-]</b>	approx. #13 AWG [2.47 mm <sup>2</sup> ]
<b>Insulator [red]</b>	NPVC virgin, red, 300V
<b>Insulator [white]</b>	NPVC virgin, white, 300V
<b>Dielectrics</b>	NPVC, air, carbon, copper, Nylon
<b>Cable Sheath</b>	Nylon + carbon
<b>Leadout Sheath</b>	Nylon + carbon
<b>Shielding</b>	high conductance carbon
<b>Connector Metallurgy</b>	pure copper spades   high copper brass banana plugs
<b>Connector Termination</b>	cold forged   silver bearing solder
<b>Y-out Metallurgy &amp; Makeup</b>	brass, 100% diamagnetic
<b>Directional</b>	yes, direction arrows printed on y-out barrels
<b>Rs [+]</b>	0.04 $\Omega$
<b>Rs [-]</b>	0.04 $\Omega$
<b>Cp</b>	735 pF
<b>Ls [+]</b>	3.7 uH
<b>Ls [-]</b>	3.7 uH
<b>Bend Radius</b>	1.7" [43mm]
<b>Cable Diameter</b>	0.37" [9.4mm]
<b>Red / Black Leadout Span</b>	11" [28cm] standard, custom options available
<b>Tolerance</b>	greater than 0.1%
<b>Weight</b>	15.2 oz [430g] each cable
<b>RoHS</b>	compliant
<b>Design</b>	Zu Audio
<b>Manufacturer</b>	Zu Cable Inc. Ogden, Utah
<b>Manufacturers Country Of Origin</b>	U.S.A.
<b>Life Expectancy</b>	100 years+
<b>Warranty &amp; Service</b>	limited lifetime, does not cover misuse or abuse



# MISSION-LC Mk.II WARRANTY

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

Zu products are designed and manufactured to the highest quality. However, if something does go wrong Zu will fix or replace the product free of charge. Zu Mission-LC Mk.II loudspeaker cable have a limited lifetime warranty applicable to the original owner. If under normal home use you have any problems with this cable we will fix or replace the product.

While every effort is made to ensure a perfect finish that will last a lifetime, this warranty does not cover damage from impact, abrasion or UV exposure. Zu products are designed to be used in temperature and humidity controlled environments, namely your home, studio or office unless otherwise stated.

If in the highly unlikely event that a Zu product arrives to you dead on arrival (D.O.A.), and after discussing it with a Zu tech, we will ship another of the same product at our expense and arrange for the D.O.A. product to be collected. If after inspection we find that you have misrepresented a returned product's condition, and that it was improperly handled or used, Zu will charge you for all damaged parts, labor, shipping and handling of the product.

Warranty does not apply to damage caused by operating the product outside the intended use, accident, damage caused by another product, misuse, abuse, flood, fire, earthquake or any other external causes. Warranty does not cover damage caused by modification or service performed by anyone other than a Zu representative.

When a product or part is exchanged the replacement becomes your property and the suspect or damaged part becomes Zu's property.

## **WHAT YOU CAN EXPECT IF WARRANTY SERVICE IS NEEDED**

If warranty becomes necessary, you must call or email for a return of material authorization (R.M.A.) number. This provides opportunity to assist in diagnosing the problem and helps us to schedule for rapid turnaround in the event that parts, service or repair is needed. Upon factory inspection of parts or product, warranty eligibility will be determined. While service options, parts availability and response times will vary, we do our best to keep you happy. International customers should know that Zu will comply with all applicable export/import laws and regulations, you may be responsible for custom duties, taxes, broker fees, freight, and other charges. When shipping of product or part is required, repackage the complete product, or part, in its original packaging. If you have any questions about packaging please call or email. Product damage caused from incorrect repackaging is not eligible for refund or warranty and the freight company may also reject your insurance claim. Until we have the product back in the shop and sign-off that it is eligible, the product is still your property, we recommend you insure or declare the full value when shipping. We also recommend that you only ship with a freight company that has a good reputation and offers tracking and insurance for the full amount.



**ZU AUDIO**

Ogden Commercial Industrial Park  
3350 S. 1500 W.  
OGDEN, UTAH — U.S.A.

[DESIGNED AND MADE BY US]