



MISSION RCA AD COPY + SPEC'S

Zu Mission RCA interconnecting cables are all about maximum hi-fi value and are designed to challenge the state-of-the-art but at reasonable prices.

Zu Mission RCA line-level analog interconnect cables will improve the sound of your system by lowering noise and improving top to bottom transient and tonal resolution, with the biggest area of improvement is in stereophonic imaging—few if any other cable will be as convincing as Zu Mission RCA for stereophonic magic, all save Zu Event that is.

Mission RCA is specifically designed for two-channel stereo, line-level single-ended transmission. It combines Zu and W.L. Gore® two-channel transmission technologies and marries it with cutting edge manufacturing and regulated shielding; the result is a two-channel stereo cable that is virtually immune to RF and will remove more noise from your system than any other brand of cable.

Ensure pristine and perfectly matched stereo channel transmission in your system—Mission RCA.

Performance goals are realized through the correct application of Zu and Gore® cable technologies, which bond the stereo channels in the same dielectric space providing identical left / right interconnect conditions and performance, an advantage that is not possible with traditional white / red coax cables. Zu Mission also use innovative material technologies such as Teflon® (PTFE) dielectric and pure silver deposit over pure copper core. The connectors are also specifically engineered and made for the Mission RCA cable geometry. Termination of the assembly is a solderless cold forge process. These are a few of the features that ensure your cables will really perform, and for decades without worry or trouble.

Mission RCA are also very easy to work with. They are small, flexible, durable and have a very comfortable hand. Mission RCA is based on the same platform as Zu's top of the line Event RCA interconnect cable, retaining the pivotal design elements but cutting back the high cost/small return ingredients such as the very costly solid core, pure meta-crystal silver.

ZU MISSION KEY FEATURES AND BENEFITS

- Zu / Gore®-Quad shared dielectric dual signal bonded cable geometry for low electromagnetic interference susceptibility and guaranteed near perfect left / right measures and behavior. This ensures the highest level of stereophonic realism.
- Dense electric and magnetic signature, as well as the cables physical dimensions, further guard against RF and audiogenic noise and allow for small and easy handling quality.
- The very low, uniform and square reactance (Cp and Ls) of Mission RCA facilitates very long runs without bandwidth loss or phase issues.
- Uniform impedance characteristics of Mission RCA reduce standing waves and contribute to the stable propagation of intelligence in short or long runs.
- Zu Mission RCA has no DC offset like in coax designs and features perfect symmetry between left and right channels. As mentioned, this identical relationship between channels guarantees the highest possible recreation of dimension, stereo, density, and tone.
- Mission RCA also has a reduction of the critical Cp measures, 40% less compared to coax with the same conductance measures.
- Virgin white PTFE (Teflon®) insulation with identical electrodynamic relationships provide a very low dielectric constant and exceptionally low dissipation factor—features that improve bandwidth, phase relations, and overall musical resolution.



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- Our competition uses wires insulated with different colors and usually PE or PVC, products which are a much greater impediment to fidelity compared to Teflon. While you wouldn't think so, each color and pigment has its own influence on sound which brings about subtle shading and differences in net tone as well as tone between left and right channels. So why doesn't Zu's competition follow our lead? Because it's hard and you have to train your people to a much higher standard.

Here's a customer feedback and email exchange between Sean Casey and customer Todd Coleman:

"...I was playing with ICs earlier this week. I've been using the Mission ICs throughout most of my system. [...] Anyway, like any self respecting audio nut job, I have a smattering of ICs in a big plastic tub—a veritable rats nest really. I tried a few other cables between my CDP and pre, wondering what the difference compared to the mission might be. A few that come to mind are the Jena pathfinder, a few audience sets, Cardas golden reference, and a couple others. To my ears the mission was clearly the best. You are onto something with this cable. What's the secret? I'm not really expecting you to divulge secrets, but I would love a general description of what makes this cable so good. Is it copper or silver? Must be absolutely tiny gauge. Solid core or stranded? Have other people been as impressed as me? How are you going to sell your more expensive cables once these hit the streets?" —Todd Coleman

"That's great news, thanks for the feedback Todd. The main reason for the high performance of Mission is the electrodynamics model. It uses a combination of technologies, ours, as well as pioneering work done by Gore for high speed, wide bandwidth two channel military applications. The combined technologies ensure that the two channels are identical, something that discrete runs cannot do. The two channels are invisible to each other, yet share the same dielectric space, which is to say they pass through the same physical space. This has several benefits: RF noise is managed at the root, left / right channels are always mirrored, left / right channels have 40% less per channel parallel capacitance for the same conductance and inductance. This makes for a cable that provides better stereo performance, better resolution of all details, and can be ran for long runs and in noisy RF environments. And not stopping there, we also made the insulation material identical on all circuits, no color difference, which really does influence tone. And on insulation, it's U.S. made virgin white PTFE—also a good thing. Conductor on Mission RCA is a somewhat large gauge (for line-level standards) pure copper core with direct deposit pure silver skin, in a perfect lay low strand count. External shield, to ensure no RF infiltration to signal, is a high magnitude braided copper with tin plating, nothing to exotic there but it works. And yes, the reports from early users and beta is awesome, and they are all saying the same thing. I don't think there is another cable that can do what Mission does for stereophonic and holistic resolution. Thanks for taking the time Todd." —Sean Casey

BURN-IN:

Zu Mission RCA cable will require a fair amount of use before it's fully burned in, roughly 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, big band.... If you would like us to burn this cable in for you there is a small non-refundable charge and four week delay.

For the possible hows and whys about burn-in please see our FAQ section.

Made by Zu Audio in Ogden, Utah—USA



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Design	Zu Mission RCA combines Zu and W.L. Gore® stereo transmission technologies and marries it with cutting edge manufacturing and regulated shielding within a copper core / silver skin / PTFE platform. The result is a stereo signal transmission that is virtually immune to RF and realizes less noise from your system than other cables. Zu Mission RCA is specifically designed for stereo, line-level single-ended transmission and combines the Zu / Gore™ two-channel geometry with an overall high conductance, regulated shield to ensure pristine and perfectly matched propagation channels for your highly sensitive line-level music signals.
Device Under Test	Zu Mission RCA 1.0m
Production	Q3 2010 – Current
Cable Format	2-channel stereo within single RF cage with discrete channel leadouts
Signal Conductor Metallurgy	pure U.S. refined, drawn and processed copper core with direct deposit pure silver skin
Ground Conductor Metallurgy	pure U.S. refined, drawn and processed copper core with direct deposit pure silver skin
Shield	95% high magnitude braid screen is floating at source end of cable, terminated/shorted at load
Cable Geometry	Zu/Gore™ two-channel single-ended transmission
Signal Wire Geometry	low strand count, perfect lay
Ground Wire Geometry	low strand count, perfect lay
Dielectrics	virgin white PTFE, all circuits
Cable Sheath	PET
Leadout Sheath	PET
Connector Metallurgy	high copper brass with heavy gold plate
Connector Barrel Metallurgy	thin wall aluminum
Connector Termination	cold forged and sealed, 100% diamagnetic
Y-out Metallurgy & Makeup	100% diamagnetic
Directional	yes, direction arrows printed on both y-out barrels
Crosstalk	nil, channels are separated by virtual ground barrier
Bandwidth	DC – 1GHz
RF Shielding	high magnitude, tinned copper braid + Zu/Gore geometry
Rs Signal	0.06 Ω
Rs Ground	0.06 Ω
Cp pin / shield	128 pF
Cp Signal ch. 1 / Ground ch. 2	128 pF
Cp ch. 1 / ch. 2	45 pF
Ls Signal	1.6 uH
Ls Ground	1.6 uH
Bend Radius	1" [25mm]
Cable Diameter	0.175" [4.45mm]
Leadout Bend Radius	1/2" [12.7mm]
Leadout Cable Diameter	0.16" [4.06mm]
L / R Leadout Span	12" [31cm] standard, custom options available
RCA Barrel Diameter	0.47" [12mm]
Tolerance	greater than 0.01% on all intra-channel measures
Weight	3.32 oz [94g]
RoHS	compliant
Design	Zu Audio & W.L. Gore®
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 RCA WARRANTY

ZU AUDIO MISSION RCA Mk.I [REV-A] LINE-LEVEL INTERCONNECT

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. Mission RCA have a limited lifetime warranty to original owner. If under normal home use you have any problems 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 and abrasion. Also, 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, 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. Cosmetic damage is also excluded from warranty.

When a product or part is exchanged the replacement becomes your property and the suspect or damaged part becomes Zu's property. Product or parts provided by Zu must be used in products for which the warranty service is claimed.

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, or to arrange for user serviceable parts. 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.