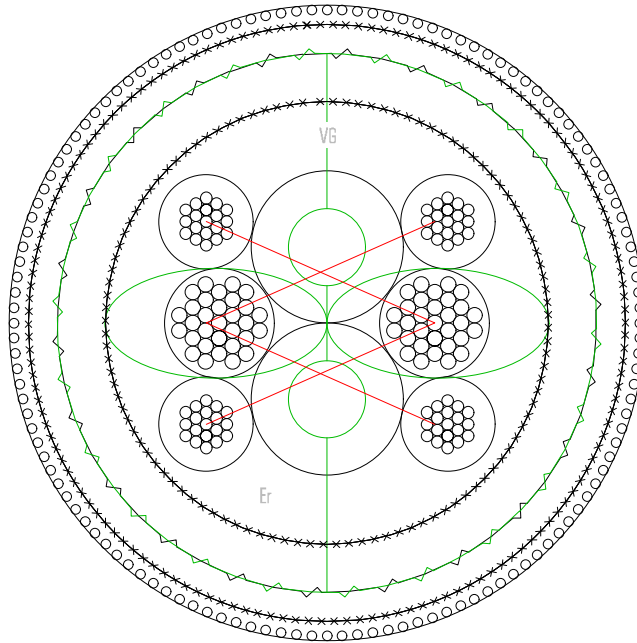


# VARIAL XLR

[Mk.I-III]



AD COPY + SPECIFICATIONS

11 | 2015



# VARIAL XLR PHOTOS

ZU AUDIO VARIAL XLR [Mk.I-III] LINE-LEVEL BALANCED CABLE SPECIFICATIONS + INFORMATION





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# VARIAL XLR AD COPY/INFORMATION

ZU AUDIO VARIAL XLR [Mk.I-III] LINE-LEVEL BALANCED CABLE SPECIFICATIONS + INFORMATION

Varial-XLR was our first flagship XLR interconnect and was in production from 2001–2011. It featured extremely low conductance and very low susceptibility to RF.

Varial-XLR was introduced in 2001, second generation mark-two in 2002, mark-three was introduced in March 2004. Refinements were made to the cable geometry (better field relations within our ZuB3™ model), conductor area increase, metallurgy, as well as shielding and subtle refinements to dielectrics.

**Mk.I [2001]** The original Varial-XLR is launched.

**Mk.II [Q3 2002]** Added aluminum shielding to further safeguard signal from RF noise. This change was easy to identify as the observer can see silver glints through the black sheathing. No change in cable geometry.

**Mk.III [Q2 2004–2015]** Change in cables geometry and resulting impedance. Also, higher conductance copper/tin shielding replaced the coarse aluminum. All versions were able to be ordered with or without the machined V-block which captured left and right cables together to prevent the matched pair from being intermixed.

## AD COPY MK.III

Varial-XLR is our flagship, top of the line balanced interconnect product. Quick features include silver alloy conductors in a multiple conductor exclusively ZuB3™ geometry, high conductance on all legs, and high magnitude RF shielding.

ZuB3™ is a cable archetype specific to the E&M of the cable. Its not about special materials, chemistry or treatment processes. The technology was invented by Zu in 2001 and allows signal and power to be transmitted with increased immunity from RF while lowering reactance compared to cables of similar conductance and size. ZuB3™ design, manufacturing process and correlative electrodynamic relationships are the intellectual property of Zu Audio.

## VARIAL DIRECTION OF SIGNAL PROPAGATION

Zu Varial interconnects are directional and the V-block points in the direction of signal flow. If V-block was not included in the build, Varial's label would read in the direction of signal flow.

## BURN-IN

Varial-XLR, being all Teflon® insulation, will require play 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.... We do not recommend any burn-in devices or special recordings, simply play the music you enjoy, preferably upbeat full spectrum recordings: rock, roots, full orchestra, big band.... For the possible how and whys about burn-in please see our [Answers](#) section.

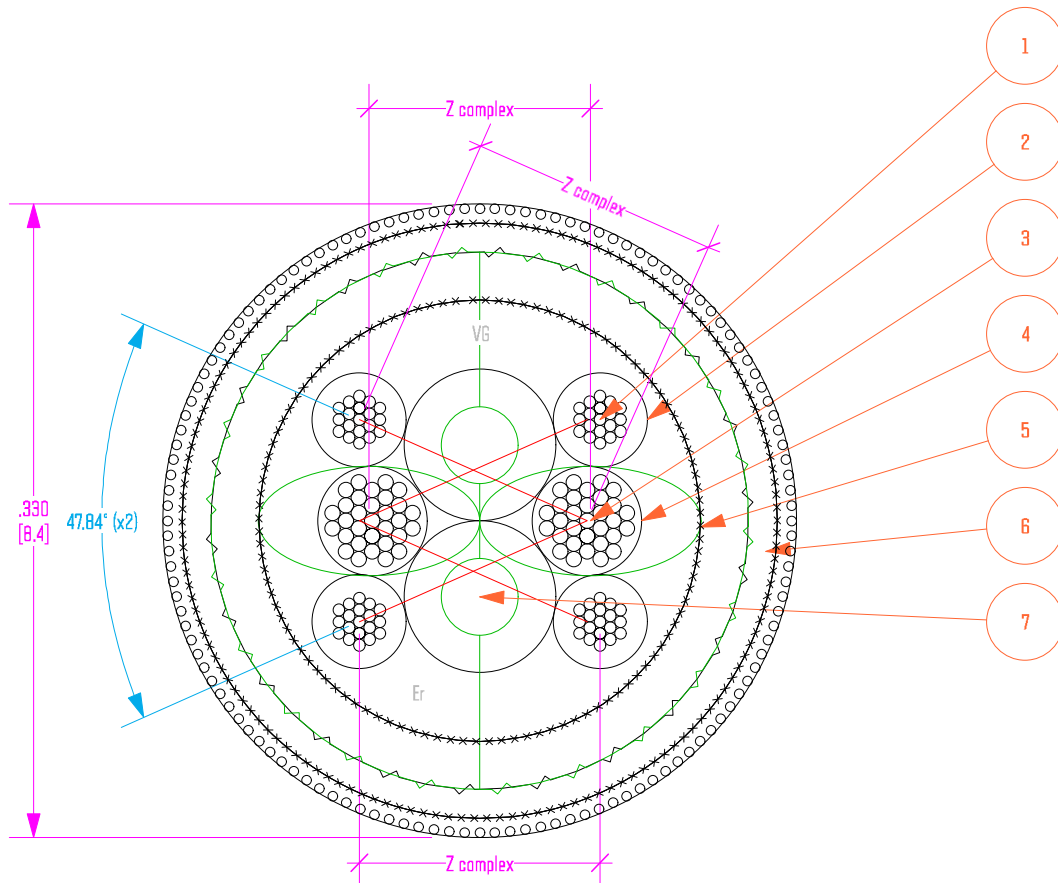
## MAINTENANCE

No maintenance is required for the cable or the XLR-type connectors.



# VARIAL XLR SPECIFICATIONS

ZU AUDIO VARIAL XLR [Mk.I-III] LINE-LEVEL BALANCED CABLE SPECIFICATIONS + INFORMATION



1. Signal conductor: Each strand is pure silver deposit over copper, perfect lay, U.S. cast, drawn, plated and cabled (x2, x2).
2. Signal, insulated with virgin Teflon®, U.S. extruded (x2, x2).
3. Signal conductor primary: each strand is pure silver deposit over copper, perfect lay, U.S. cast, drawn, plated and cabled (x2).
4. Signal, insulated with virgin Teflon®, U.S. extruded (x2).
5. Tight braid, tin plated copper outer screen.
6. Dacron monofilament cable sheath.
7. Earth ground conductor, pure copper, perfect lay, U.S. cast, drawn and cabled (x2).



# VARIAL XLR SPECIFICATIONS

## ZU AUDIO VARIAL XLR [Mk.I-III] LINE-LEVEL BALANCED CABLE SPECIFICATIONS + INFORMATION

<b>Design</b>	Varial-XLR was designed in 2001 and represented our flagship, top of the line balanced interconnect product. Design is fully balanced and intended for balanced analog audio line-level applications. Varial-XLR was designed and made exclusively in-house by Zu Audio, Ogden, Utah, USA.
<b>Device Under Test</b>	Varial-XLR 3.3' [1.0 m] Mk.III
<b>Production Format</b>	2001-2012 single-channel analog audio line-level coaxial interconnecting cable
<b>Primary Signal Conductor Metallurgy</b>	pure silver and copper
<b>Secondary Conductor Metallurgy</b>	pure silver and copper
<b>Ground / Shield Conductor Metallurgy</b>	copper, copper/tin
<b>Cable Geometry</b>	ZuB3™
<b>Primary Signal Wire Geometry</b>	perfect-lay low strand count
<b>Secondary Signal Wire Geometry</b>	perfect-lay low strand count
<b>Dielectrics</b>	Teflon®/air/Cu/Ag
<b>Cable Sheath</b>	Dacron monofilament
<b>Connector Metallurgy</b>	high copper brass with heavy silver plate
<b>Connector Termination</b>	silver-bearing solder and epoxy sealed
<b>Directional</b>	yes, Varial V-block and logo recommended to be placed at source, arrow pointing, and logo reading in the direction of signal
<b>Crosstalk Shielding</b>	nil, channels are physically discrete high magnitude copper/tin tight braid
<b>Bandwidth</b>	>DC-100 MHz
<b>Cp</b>	288 pF signal pair 184 pF signal to inner Earth ground
<b>Rs Signal Pair</b>	0.02 Ω
<b>Rs Ground</b>	0.01 Ω
<b>Ls Signal</b>	.48 uH
<b>Bend Radius</b>	1-1/2" [38 mm]
<b>Cable Diameter</b>	.33" [8.4 mm]
<b>Tolerance</b>	0.2%
<b>RoHS</b>	compliant
<b>Manufacturers Country Of Origin</b>	U.S.A. [Zu Audio, Ogden, Utah]
<b>Life Expectancy</b>	100 years+
<b>Warranty &amp; Service</b>	limited lifetime, does not cover misuse or abuse



# VARIAL XLR WARRANTY

ZU AUDIO VARIAL XLR [Mk.I-III] LINE-LEVEL BALANCED CABLE SPECIFICATIONS + INFORMATION

## WARRANTY

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 Varial-XLR audio cables 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 e-mail 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 e-mail. 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**

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OGDEN, UTAH — U.S.A.

[DESIGNED AND MADE BY US]