



# MISSION iPod™ / Walkman™ Cable Specifications

## MISSION MiniPhone Mk.I

<b>Design</b>	Zu Mission Miniphone (iPod, Walkman...) 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 platform; the result is a stereo signal transmission that is virtually immune to RF and realizes a lower noise floor from your system than other cables. Zu Mission Mini 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 personal audio music signals.
<b>Device Under Test</b>	Zu Mission Mini > RCA 1.0m
<b>Revision</b>	A
<b>Production</b>	Q3 2010 –
<b>Cable Format</b>	stereo (2-channel) within single RF cage with discrete channel leadouts
<b>Signal Conductor Metallurgy</b>	pure U.S. refined, drawn and processed copper core with direct deposit pure silver skin
<b>Ground Conductor Metallurgy</b>	pure U.S. refined, drawn and processed copper core with direct deposit pure silver skin
<b>Shield</b>	95% high magnitude braid screen is floating at source end of cable terminated/shorted at load
<b>Cable Geometry</b>	Zu / Gore™ two-channel single-ended transmission
<b>Signal Wire Geometry</b>	low strand count, perfect lay
<b>Ground Wire Geometry</b>	low strand count, perfect lay
<b>Dielectrics</b>	virgin white PTFE / all circuits
<b>Cable Sheath</b>	PET
<b>Leadout Sheath</b>	PET
<b>Connector Barrel Metallurgy</b>	thin wall aluminum
<b>Connector Termination</b>	silver bearing solder / cold forged and sealed, 100% diamagnetic
<b>Y-out Metallurgy &amp; Makeup</b>	100% diamagnetic
<b>Directional</b>	yes, direction arrows printed on y-out barrel
<b>Crosstalk</b>	nil, channels are separated by virtual ground barrier
<b>Bandwidth</b>	DC – 1GHz
<b>RF Shielding</b>	high magnitude silver over copper braid + Zu / Gore™ geometry
<b>Rs Signal</b>	0.065 Ω
<b>Rs Ground</b>	0.065 Ω
<b>Cp pin / shield</b>	130 pF
<b>Cp Signal ch. 1 / Ground ch. 2</b>	130 pF
<b>Cp ch. 1 / ch. 2</b>	47 pF
<b>Ls Signal</b>	1.6 uH
<b>Ls Ground</b>	1.6 uH
<b>Bend Radius</b>	1" [25mm]
<b>Cable Diameter</b>	0.175" [4.45mm]
<b>Leadout Bend Radius</b>	1/2" [12.7mm]
<b>Leadout Cable Diameter</b>	0.16" [4.06mm]
<b>L / R Leadout Span</b>	12" [31cm] standard, custom options available
<b>RCA Barrel Diameter</b>	0.47" (12mm)
<b>Tolerance</b>	greater than 0.01% on all intra-channel measures
<b>RoHS</b>	compliant
<b>Design</b>	Zu Audio & W.L. Gore®
<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