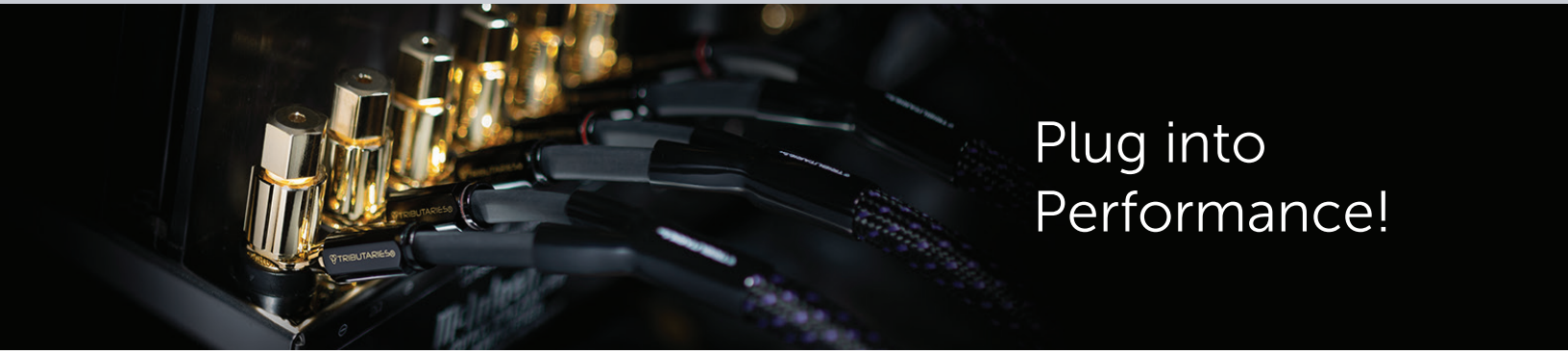
TRIBUTARIES®
Bringing it all **together**

DATA SHEET

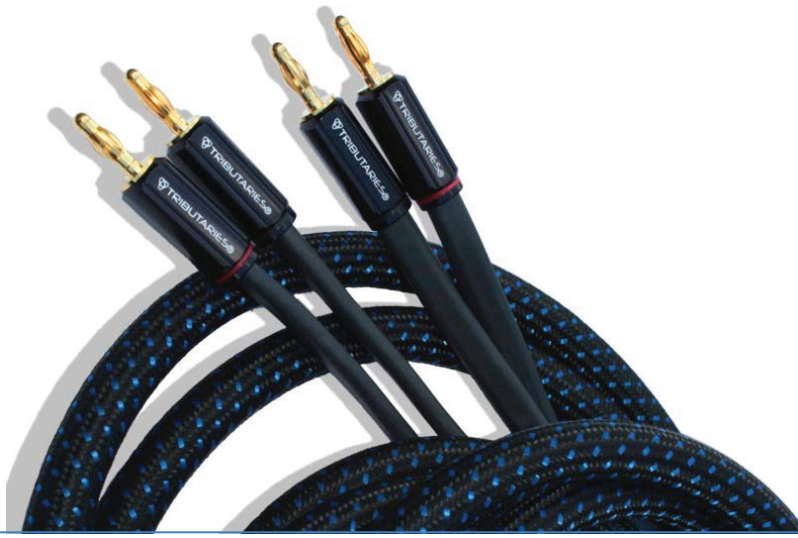
SPEAKER CABLES



Tributaries high performance speaker cables are a unique design by Jay Victor optimized for superior sound quality. Starting with the same conductor criteria as Tributaries audio cables; speaker cable designs incorporate high performance copper with insulated multi-gauge conductors sharing the same sonic traits resulting in a sound which is more frequency balanced.

Special attention to cable geometry is given to the design of speaker cables. Speaker cables carry high current signals that are susceptible to magnetic fields. As a signal travels along a wire it creates a magnetic field that increases with signal voltage. This self-inductance impedes the signal by virtue of its inductive reactance. Star-Quad design cancels magnetic fields and improves the sound quality of your system.

Star-Quad Geometry
Tributaries Series 4, 6 and 8 speaker cables all include a Star-Quad design. Star-Quad speaker cables are designed with four conductors, all wound together, in a "positive, negative, positive, negative" configuration. The cable is produced such that all 4 wires are evenly twisted together keeping each conductor the same distance from the center and ensuring each positive conductor is next to each negative conductor. The net result is the cancellation of opposing electromagnetic fields generated by each conductor pair. This design improves the system's performance by preventing EMI noise from entering and distorting the signals in nearby low level audio, video or digital cables. Another benefit of the Star Quad design is the reduction of the cable's inductance, again, improving the cables electrical performance and reducing the distortion it produces.



Resistance
Resistance is another consideration when choosing a speaker cable. In simple terms: the larger the diameter of the cable or conductor; the lower the resistance. Cable resistance is expressed in ohms per unit. For instance, 500 feet of 16-gauge wire has a resistance of about 4 ohms. With speaker cables this becomes an issue. Because speakers exhibit input impedances in the range of 2 to 8 ohms, the resistance of the cable can add significantly to the overall load. For example, if a 4-ohm speaker is connected to an amplifier with a cable that exhibits a 4-ohm resistance, the cable will dissipate half of the amp's power before it even gets to the speaker! Tributaries offers a full line of speaker wire with gauges from from 11AWG to 16 AWG for your consideration. Below is a handy guide for choosing the correct size speaker wire for your unique installation.

Maximum Wire Lengths for Two Conductor Copper Wire

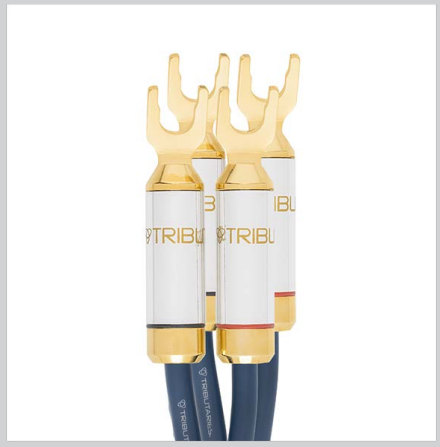
Wire Size	2 Ω load	4 Ω load	6 Ω load	8 Ω load
16 AWG	12 ft	24 ft	36 ft	48 ft
14 AWG	20 ft	40 ft	60 ft	80 ft
12 AWG	30 ft	60 ft	90 ft	120 ft
10 AWG	50 ft	100 ft	150 ft	200 ft

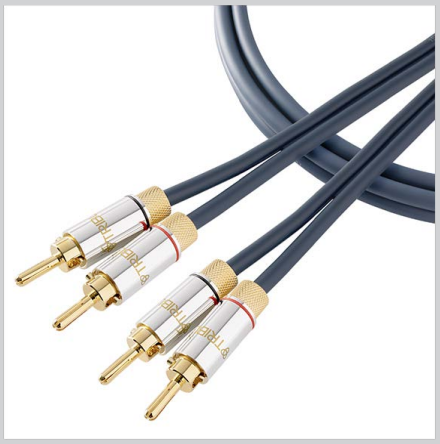
TRIBUTARIES®
Bringing it all **together**

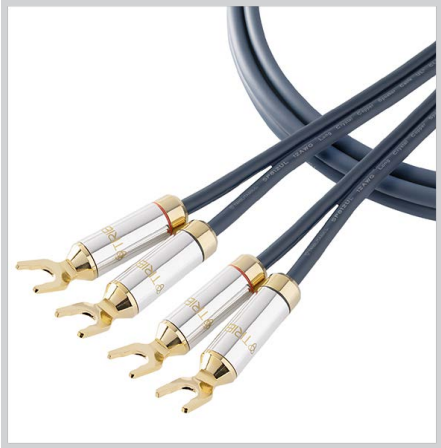
DATA SHEET

SPEAKER CABLES

Tributaries offers 2 terminated speaker cables that are UL rated for in-wall use. Series 8 is a 12AWG / 2 conductor LC-OFC speaker wire. This cable was designed by Jay Victor with patented conductor geometry to provide superior imaging and improved musical dimension. We recommend this cable as the perfect speaker wire when installing speaker systems using Dolby® Atmos or other surround sound technologies. Get the most out of your equipment by installing the Series 8. Series 4 offers a 14AWG two conductor speaker cable made with a multi gauge design for improved midrange/hi-frequency response over standard CI 14/2. Tributaries Speaker Cables are sold in each.







SERIES 8 UL RATED IN-WALL SPEAKER CABLES

MODEL:8SP12UL MKII

Reference Grade Audiophile Speaker Cables

All Series 8 audio cables are meticulously assembled by hand in Orlando, Florida. 8SP12 Mark II speaker cables are engineered with a flat zip-type geometry that is UL rated jacket for installation inside the wall. The Series 8 begin with extremely high grade linear crystal copper (LC-OFC) developed specifically for audio applications. Tributaries LC-OFC is carefully drawn to produce a low crystal volume per foot resulting in less signal loss and distortion. 12AWG conductors consist of multiple solid gauges that are mathematically and tonally chosen to support low, mid and high frequencies for a natural sounding cable. Individually insulating each conductor yields zero strand interaction and better sound quality. The Mark II cables are silver soldered onto proprietary spade lugs and locking banana plug connectors made with Tellurium (TE) copper increasing conductivity and strength. This cable is the perfect speaker wire when installing Dolby® Atmos in wall speakers because it provides superior imagery and improved musical dimension.

The Series 8 Mark II UL Rated 12AWG speaker cable is stocked in 200 ft. spools and terminated in lengths from 4 foot to 12 foot lengths with custom lengths available.

Model 8SP12UL Mark II Highlights
Hand crafted by skilled artisans in Orlando Florida, USA
Two 12AWG LC-OFC conductors
Sophisticated multi-gauge design for superior bass, mids & highs
Insulated conductors eliminate strand interaction/distortion
Parallel geometry eliminates magnetic distortion
Highly flexible Siamese design UL® CL2 PVC Jacket
Gold-plated Tellurium copper spade lugs and banana plug connectors
Available in custom lengths, sold by each

Tributaries Cable: 7022 TPC Drive Suite 500, Orlando Florida 32822
Phone: (888) 554-2514 or (407) 855-0497 – **Sales:** sales@tributariescable.com