

# ROCKET 33

## SPEAKER CABLE: DUAL-TRIPLE GEOMETRY

### DUAL-TRIPLE GEOMETRY

Overall: 2 x 14 AWG (2.08 mm<sup>2</sup>)

#### Treble Group:

- 1 x 21 AWG Solid **Perfect-Surface Copper** (PSC) Conductors
- 1 x 19 AWG Solid **Long-Grain Copper** (LGC) Conductors
- 1 x 17 AWG Solid **Long-Grain Copper** (LGC) Conductors

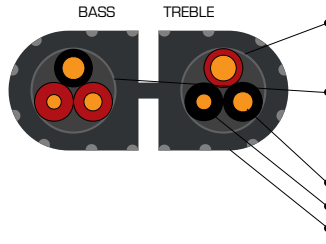
#### Bass Group:

- 1 x 20 AWG Solid **Perfect-Surface Copper** (PSC) Conductors
- 1 x 18 AWG Solid **Long-Grain Copper** (LGC) Conductors
- 1 x 16 AWG Solid **Long-Grain Copper** (LGC) Conductors

• Foamed PE (Positive Conductors)

• **Conductive PE Insulation** (Negative Conductors)

• Braided - Red/Black/Grey



**Conductors:** All six of Rocket 33's conductors are solid. Solid conductors prevent strand interaction, a major source of cable distortion. Electrical and magnetic interaction between strands in a conventional cable is the single greatest source of distortion, often causing a somewhat harsh, dirty and confused sound. Solid conductors are the most important ingredients enabling Rocket 33's very clear sound. Whether a conductor is solid or stranded, skin effect is a prime distortion mechanism in speaker cables. Rocket 33 very simply keeps this effect out of the audio range by using conductor sizes that are below the threshold for audible distortion.

**Metal: Long-Grain Copper & Perfect-Surface Copper:** Rocket 33 uses a carefully finessed combination of Long-Grain Copper (LGC) and high purity Perfect-Surface Copper (PSC) conductors. All conductors are solid, which prevents strand interaction, a major source of distortion. Surface quality is critical because a conductor can be considered as a rail-guide for both the electric fields within a conductor, and for the magnetic fields outside the conductor. The astonishingly smooth and pure Perfect-Surface eliminates harshness and greatly increases clarity compared to OFHC, OCC, 8N and other coppers. High-purity PSC further minimizes distortion caused by grain boundaries, which exist within any metal conductor.

**SST (Spread Spectrum Technology):** Any single size or shape of conductor has a specific distortion profile. Even though radially symmetrical conductors (solid round or tubular) have the fewest discontinuities, any particular size does have a sonic signature. SST is a method for significantly reducing the awareness of these character flaws by using a precise combination of different size conductors. The three different SST-determined conductor sizes used in Rocket 33 allow an exceptionally clear, clean and dynamic sound.

**Dual-Triple Geometry:** The relationship between conductors defines a cable's most basic electrical values (capacitance and inductance). However, even when those variables are kept in a reasonable balance, the relationship between conductors can be varied in ways that greatly affect the sound. The Dual-Triple construction of Rocket 33 allows for significantly better dynamic contrast and information intelligibility than if the same conductors were run in parallel. The specific 3-cross geometry used in each half of Rocket 33 maximizes this advantage. In addition, Rocket 33 is an exceptional Single-BiWire cable. When the halves are separated at the speaker end, the Dual-Triple design turns Rocket 33 into a true Double-BiWire set thanks to the magnetic autonomy of each star-quad. When separated the Dual-Triple let Rocket 33 be a maximum performance Double-BiWire in a single cable.

**Cold-Weld Terminations:** Superior AudioQuest connectors allow Rocket 33 to be securely attached to any type of equipment. AQ ends are dull looking because there is no harsh sounding shiny nickel layer underneath the silver (or gold). The connection between the plug and conductors is made using AQ's Cold-Weld system which provides a superior connection that ensures that the structural integrity of the conductor is kept completely intact. The Cold-Weld system refers to a combination of high pressure at the point of contact and the use of copper or silver impregnated paste. (Rocket 33's copper conductors get copper paste.) A controlled amount of pressure is used to essentially make the conductor and connector mechanically "as one" without the use of heat. The copper bearing paste acts as both a copper oxide retardant, and as well as a very effective contact enhancer. AQ's Cold-Weld system ensures a practically perfect connection.