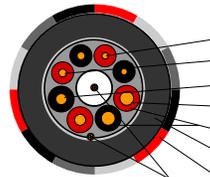
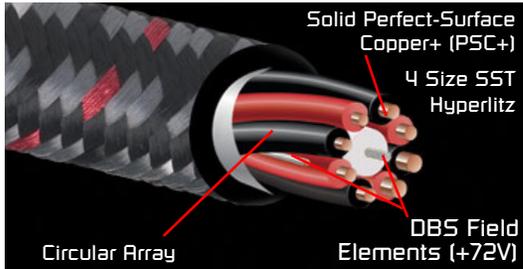


# CV-8

## SPEAKER CABLES: CIRCULAR ARRAY SERIES



### CIRCULAR ARRAY DESIGN

Overall: 2 x 12 AWG (3.30 mm<sup>2</sup>)

- 2 x 20 AWG Solid **Perfect-Surface Copper+ (PSC+)** Conductors
- 2 x 19 AWG Solid **PSC+** Conductors
- 2 x 18 AWG Solid **PSC+** Conductors
- 2 x 16 AWG Solid **Perfect-Surface Copper (PSC)** Conductors
- Foamed PE (Polyethylene)
- Dark-Gray PVC Jacket (UL CL3 rated)
- Nylon Braid - Black/Gray/Silver/Red
- **DBS Field Elements (72V)**

**PERFECT-SURFACE COPPER+ (PSC+):** CV-8 uses a carefully finessed combination of Perfect-Surface Copper (PSC) and extremely 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. Extremely high-purity PSC+ further minimizes distortion caused by grain boundaries, which exist within any metal conductor.

**DIELECTRIC-BIAS SYSTEM (DBS, US Pat #7,126,055):** All insulation slows down the signal on the conductor inside. When insulation is un-biased, it slows down parts of the signal differently, a big problem for very time sensitive multi-octave audio.

AudioQuest's DBS creates a strong stable electrostatic field, which saturates and polarizes (organizes) the molecules of the insulation. This minimizes both energy storage in the insulation and the multiple nonlinear time-delays. Sound appears from a surprisingly black background with unexpected detail and dynamic contrast. The DBS packs batteries will last for years. A test button and LED allow for the occasional battery check.

**CIRCULAR-ARRAY GEOMETRY:** The relationship between conductors defines some of a cable's basic electrical values (capacitance and inductance). Independent of these values, the relationship between conductors can be varied in ways that greatly effect performance. The circular-spiral construction of CV-8 allows for significantly better dynamic contrast and clarity than if the same conductors were run in parallel or as multiple twisted pairs.

**SPREAD SPECTRUM TECHNOLOGY (SST):** Any single size or shape of conductor has a characteristic distortion profile. Even though radially symmetrical conductors (solid round or tubular) have the fewest discontinuities, each size still has a sonic signature. CV-8 uses a precise combination of four different size conductors in order to significantly reduce the audibility of these character flaws.

**TERMINATIONS:** AudioQuest offers a wide range of high quality connectors that allow CV-8 to be securely attached to any type of equipment. Quality is in the low distortion sound, not necessarily in the eye-candy effect. AQ ends are either a dull looking gold or silver because these metals are plated directly over the connector. There is no shiny and harsh sounding nickel layer underneath. AQ PK-spade lugs are soft because better metal is soft, and facilitates a higher quality connection. For pieces requiring a banana plug or BFA connector the AQ PK-BFA/Banana provides unprecedented performance over conventional brass versions.

**BIWIRING:** When possible, running separate conductors or separate cables to the treble and bass "halves" of a speaker will considerably reduce distortion. The large magnetic fields associated with bass energy modulate a cable's electrical properties, thereby modulating/distorting the treble ... similar to the way waves in the ocean make it much harder to swim.

CV-8 may be used as a Single-BiWire cable by preparing CV-8 with four connections on the speaker end.. For maximum performance though, use two pair of CV-8 or a Double-BiWire set.

**DIRECTIONS:** The "breakouts" on either end of CV-8 are marked "Speaker End" or Amp End." Please use cables in the direction indicated.