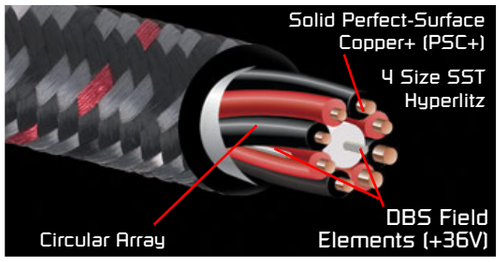
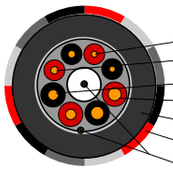


CV-8

Speaker Cables: Circular Array Series



Circular Array Design

Overall: 2 x 12 AWG (3.30 mm²)

- 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
- Dark-Gray PVC Jacket (UL CL3 rated)
- Nylon Braid - Black/Gray/Silver/Red
- **DBS Field Elements** (36V)

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, PATENT PENDING): In addition to insulating and isolating, insulation is also a “dielectric.” It has permittivity and permeability; it stores and releases energy. Unfortunately, dielectrics are non-linear with frequency and with wave amplitude, causing nasty non-linear phase shifts proportional to frequency and/or signal amplitude.

Fortunately, by electrostatically aligning/polarizing the molecules within a cable's dielectric, the non-linear corruption can be dramatically reduced. The reason your equipment and your cables sound better when you leave your equipment turned on, is because you are partially aligning and polarizing the dielectric material present throughout every component. However, even playing music loud all the time will never fully “form” the dielectric.

In contrast, CV-8’s DBS puts a continuous 36 volt potential (DC bias) between the very center of CV-8, and an outer shield-like layer. All the dielectric in-between is fully aligned all the time. There is no interaction with the signal conductors. Nothing is put in the signal path. A test button and LED allow for occasional verification of battery performance.

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: Superior AudioQuest connectors allow CV-8 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). AQ PK-spade lugs are soft because pure stamped copper is much better than machined brass. 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.