Star Quad Speaker Cable

Applications
- pa systems
- hi-fi speakers
- dc power lines

Features
Super Flexibility, even in Sub-Zero Weather
Star Quad Design Reduces EMI Noise
Low Capacitance & Resistance

456 (17 Gauge / Star Quad)
A lighter gauge, very flexible speaker cable, using 4 x 20 AWG insulated conductors. Good choice for high frequency components, short line runs or DC power cords.

458 (13 Gauge / Star quad)
Our most popular 4 x 16 AWG flexible speaker cable. Perfect choice for all broad spectrum speaker systems and general purpose power amp setups. Good on Bi-Amp rigs.

4511 (11 Gauge / star quad)
Recommended for long runs and low end Power Amplifier sub-woofer systems. Heavy duty 4 x 14 AWG conductors.

Conductor
Canare uses many thin strands of annealed copper for excellent flexibility and long life reliability.

Insulation
Special polyethylene dielectric offers low capacitance and low series resistance for improved frequency response over long distance cable runs. Star Quad configuration improves damping factor at the speaker. Individual conductor Color Coding (Red, Clear Red, White, Clear White) allows easy continuity checks.

Filler
4S-Series speaker cables use tightly packed cotton fibers to help maintain cable shape and keep conductors from shifting.

Jacket
Durable PVC outer jacket. Stays flexible, resist tears and cracks. Will not stiffen even at sub-zero temperatures.

Tech Note:
Speaker cable must accommodate relatively high signal levels, typically tens to hundreds of watts of RMS power. Electromagnetic interference (EMI) can radiate from these speaker lines directly into adjacent low voltage cables (i.e. microphone, video lines, etc.). Canare solves this problem by using a 4-conductor “Star Quad” configuration in all of our 4S-Series speaker cables. Because every conductor is located the same distance from the center, the opposing magnetic fields are cancelled out. Attenuation of magnetic field radiation is superior when compared to a standard 2-conductor speaker wire.

Damping Factor:
Always try to keep speaker cables as short as possible and select cable models that offer a higher damping factor; 20-50 for music (i.e. concert sound) and 10-20 for speech (i.e. sports stadiums). The greater the damping factor (DF), the better the ability to control speaker excursion to create sharp, clear quality in the low end frequency range. As the formula to the left shows, a higher conductor resistance causes a lower damping factor, which prevents even top quality power amps from performing at peak optimum levels.

Electrical Performance/ Quad Wired

Mechanical Specifications

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Values calculated assuming power amp output impedance + speaker cable resist ance at 0.05Ω.

Colors Available

- 456
- 458
- 4511

DIELECTRIC STRENGTH = 500V AC / 1min. Insulation resistance/3Mft = >1000MΩ.