

TOCORD

ULTIMATE AUDIO CABLES

SHF SP SPEAKER CABLE

TOCORD SHF SP CORD, low inductance speaker cable, has been engineered expressly for connecting loudspeaker systems to amplifiers in component high-fidelity sound reproducing systems.

CONSTRUCTION

The SHF SP cord comprises 144 conductors of 0.18 ϕ mm wire. Each conductor is individually insulated with polyurathane resin. The positive and negative wires are braided across each other and are separately grouped together to provide a pair of terminals at each end.

This particular construction has resulted in a substantial improvement in the quality of sound, in both high and low frequency ranges, since it significantly reduces both self-inductance and DC resistance, as compared with conventional twin speaker cable.

TECHNICAL CHARACTERISTICS

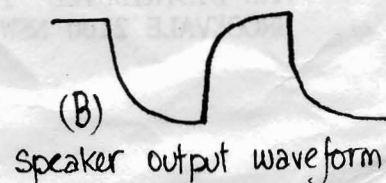
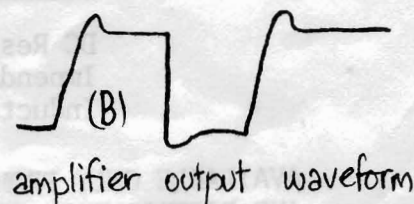
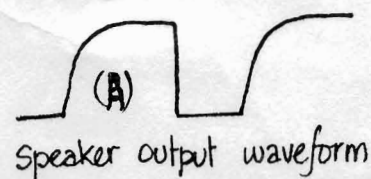
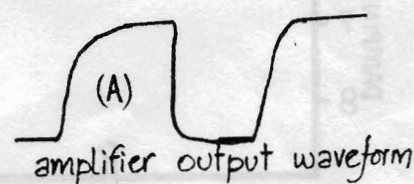
The characteristic impedance of SHF SP Cord is 9.15 ohms. Conventional twin cable is approximately 100 ohms. The value of 9.15 ohms is sufficiently close to the loudspeaker impedance of 8 ohms, to optimise transfer of electrical energy from amplifier to loudspeaker.

FIG 1. (A) is an oscillographic representation of amplifier output waveform (top) and loudspeaker input waveform (bottom) SHF SP CORD.

FIG 1. (B) is a similar representation of amplifier output waveform with conventional twin cable.

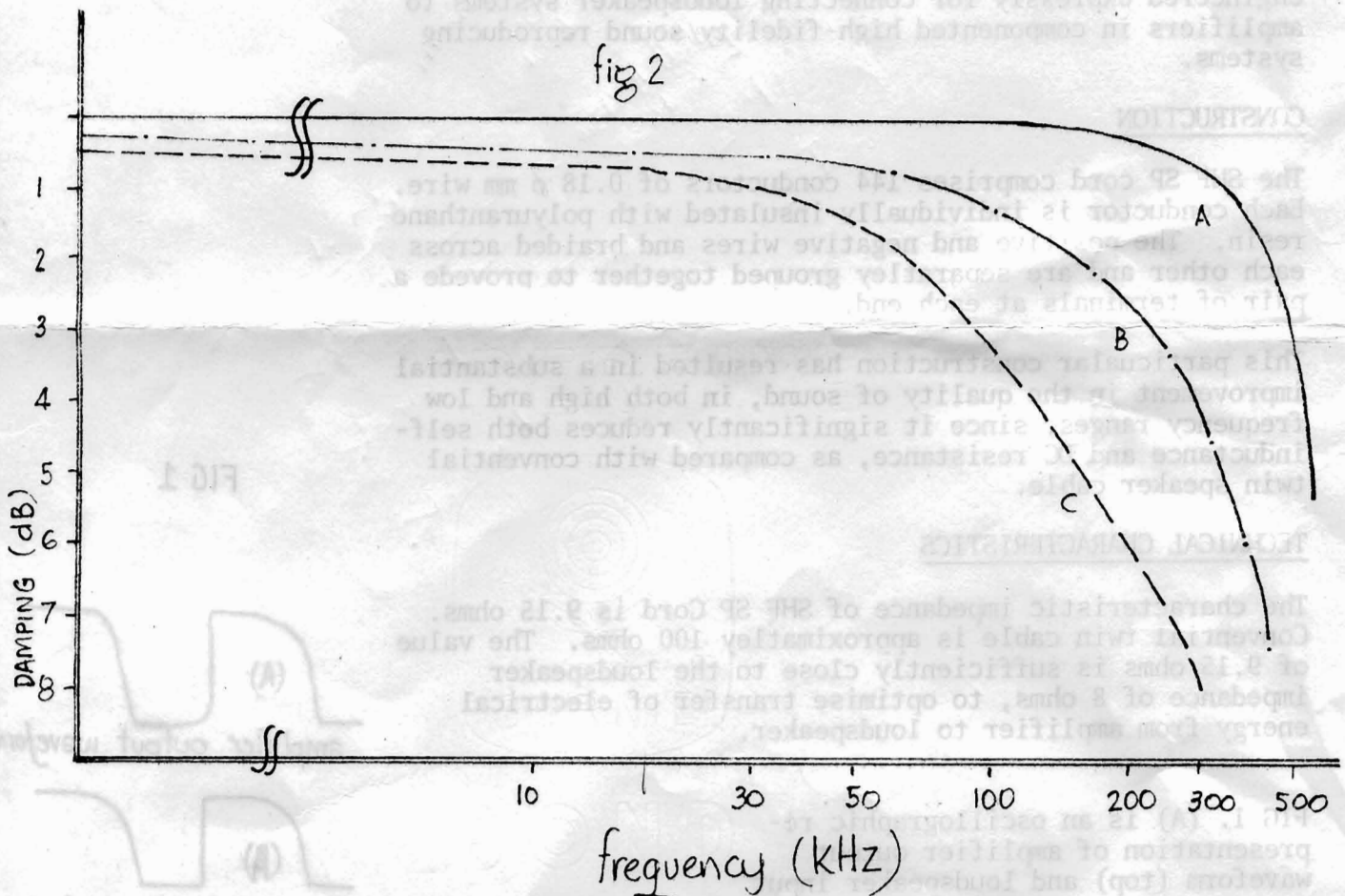
It will be apparent from these representations that each loudspeaker input pulse, particularly its rise time, is significantly more accurate when SHF SP CORD is utilised between amplifier and loudspeaker than when the conventional twin cable is connected.

FIG 1



In FIG 2, the frequency characteristics of the SHF SP CORD, as well as those of some conventional speaker cables, is graphically represented.

The Curve A represents the SHF SP CORD, curve B that of coaxial cable, and curve C that of the conventional twin cable. From the graph, it will be noted that sound reproduction is improved with SHF SP CORD, particularly in the high frequency range. While the damping of energy in the high frequency range is due principally to the self-inductance of cables, that in the low frequency range is due to their DC resistance. The graph shows that the DC resistance of the SHF SP CORD, is low.



SPECIFICATIONS

DC Resistance:	10.50 miliohms/meters
Impedance:	9.15 ohms
Inductance:	0.15 micro Henry/meter

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