

Ruby Anniversary

Cables Matter No.3

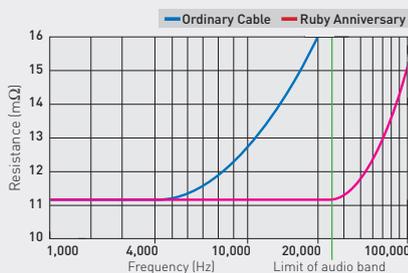
QED Performance Ruby Anniversary

Ruby Anniversary, a completely new design from QED's laboratories, celebrates our FORTY years at the forefront of UK speaker cable design. It utilizes the technologies of both Genesis and X-Tube™ cables and combines them in a new miniature format, bringing 'high end' cable philosophies to the entry level Hi-fi market.

Every inch of cable between an amplifier and speakers adversely affects sonic performance, because amplifiers cannot compensate for the added impedance of the speaker cable. This compromises fidelity due to the non linear affect the cable has on the frequency response of the loudspeakers.

→ Technical Data

Graph of Resistance against frequency for Speaker Cable



Most manufacturers minimise this problem by designing cables with a large cross-sectional area, because it's an easy way of reducing the speaker cable's resistance. Unfortunately, at high frequencies, a phenomenon called 'skin effect' means currents flow towards the outside of each conductor; actually reducing its effective cross-sectional area and causing cable impedance to rise by as much as 50% within the audible frequency band. (See Blue in line graph). Obviously, the resulting attenuation of high frequencies compromises high fidelity. This is further compounded by the complex variations in speaker impedance around the speaker's resonant frequencies.

The new Ruby Anniversary speaker cable's advanced design largely overcomes this perennial problem by incorporating our unique Aircore™ technology - first introduced in our award winning Genesis cable.

The red line on the graph indicates how this scientifically calculated geometry reduces the skin effect on cables of similar cross-sectional area; whilst hardly affecting resistance within the audio band (up to 22kHz), which only starts to rise well beyond the range of human hearing.



Authority is the name of
the game with this cable

WHAT HI-FI?
SOUND AND VISION

whathifi.com, September 2012

QED Designing cables since 1973.

In 1973 Bob Abraham and Ian Vine founded QED Audio Products and changed the way people think about hi-fi cables. By the time QED 79 strand speaker cable was launched in 1978, it wasn't looked upon as 'just another speaker cable' it was instead regarded as a serious hi-fi component.

Our reputation for innovation and technical excellence is known throughout the world. The latest computer-aided design techniques allow our research and development team to keep pace with technological advances and deliver products that achieve the highest levels of performance and reliability.

This is why QED speaker cables and interconnects are recommended by so many of the world's leading hi-fi and home theatre equipment manufacturers.



QED has won more prestigious cable awards from 'What Hi-Fi? Sound & Vision' magazine than any other brand.

Awards 1981-2012



Quod Erat Dēmonstrandum

www.qed.co.uk