

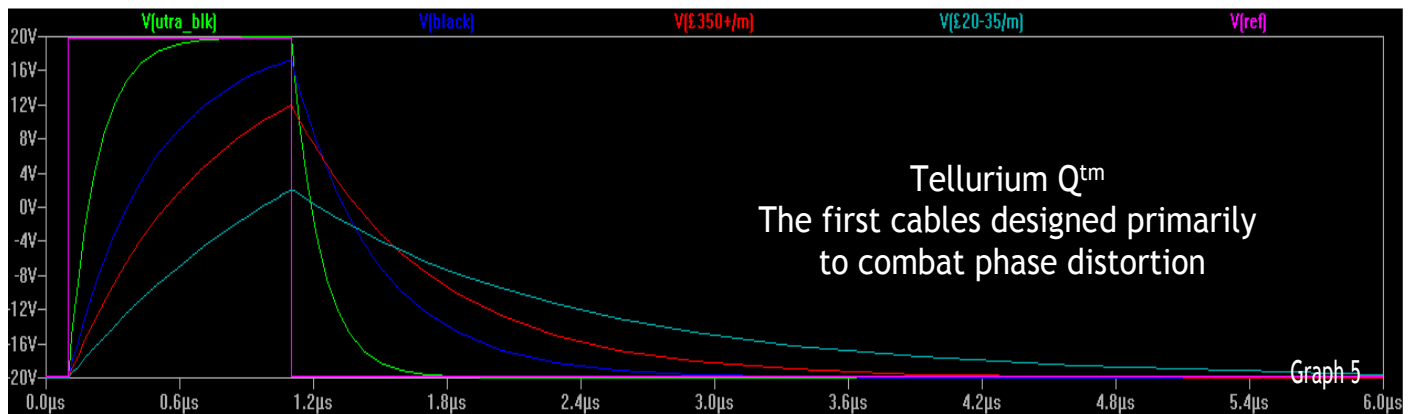


Why does tellurium Q sound so natural, with so little phase distortion compared to other cables in its price range?

The following graphs compare Tellurium Q™ to other makes. Instead of citing manufactures cables (something we will not do) we have used price points as an indication of what your money is buying.

As you will quickly notice the square wave pulse is quite a tough test of how quickly a cable can react. However being able to react fast is crucial for certain details like being able faithfully reproduce the leading edge of a kick drum or a fast symbol attack etc. Doesn't sound like a big deal until you look at the graph 5 below and realise just how much these aspects become distorted compared to the signal (purple square wave). Also pay attention to just how poorly most cables are able to reproduce the trailing edge (right hand side purple vertical). We suppose the nearest analogue is blackness of a screen - will you put up with greys or do you want your blacks to be ultra black?

It is also evident then, why the Tellurium Black and Ultra Black do so well at reproducing detail throughout the range because even base notes need a tight, clean leading edge. It is not just in the top end that this is essential for the clearest sound reproduction.



Key to Graph 5, Leading edge sounds.

Purple: Signal pulse

Green: Ultra Black

Dark Blue: Black

Red: £350 per metre+ cable

Light Blue: £20 - £35 per metre cable



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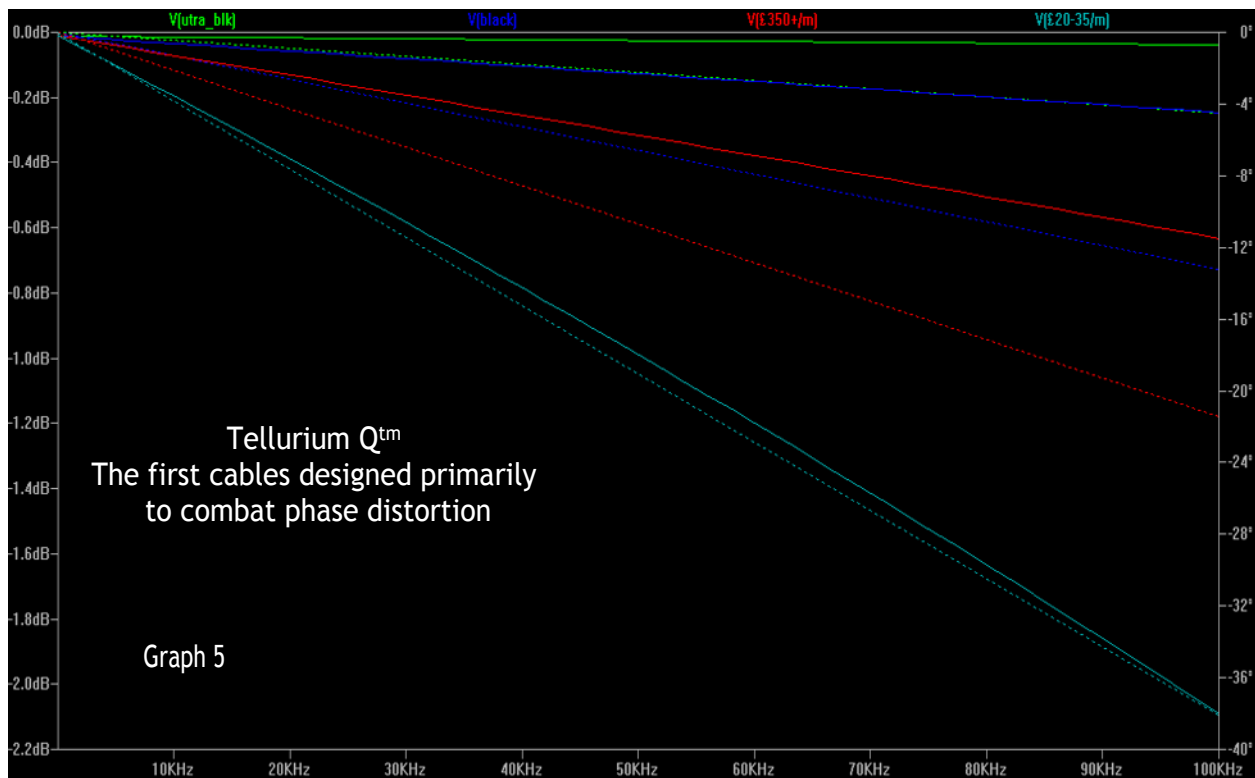
Why is frequency response and phase angle so important?

To Interpret the graph below simply think that closest to a flat line at the very top of the graph is best. An ideal, perfect line would run Horizontally along the top of the graph where the green line(Tellurium Ultra Black) nearly runs now.

The solid lines are **frequency response** and roughly equate to: the more horizontal and at the top the better the sound detail will be.

The dotted lines equate to: **phase angle** and again the closest to Horizontal at the top the less muddled and the more precise the timing.

You can probably already understand why the Ultra Black (green lines) is receiving so much attention from keen audiophiles and music lovers.



Green: Ultra Black

Dark Blue: Black

Red: £350 per metre+ cable

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Why does tellurium Q sound so natural, with so little phase distortion compared to other cables in its price range?

A wag on one of the many audio blog sites joked that it was because “music” travels faster in the new tellurium Q™ cables. Of course he was just being humorous because he hadn’t heard it and didn’t understand that this really is a new development in audio but inadvertently, he was closer to the truth than he could have realised.

Strangely, signals (electric current) in wire (copper, silver, whatever) , tend to flow more freely at different depths in the wire depending on frequency etc. This is a very simplified way of looking at a much more complicated scientific fact, nothing more.

Because of this phenomenon some signals are slightly delayed and become squashed together. This is especially true for low end bass. Unfortunately almost every speaker cable that is made suffers from this. Because nearly all cables suffer from this problem we have become accustomed to hearing smeared bass from our hifi systems. If you could draw an analogy of what was happening it might be:



HiFi cable with distortion due to the signals for notes arriving at your speaker smeared together due to phase distortion.

The bass may sound loud and rumble but why? When you look at the diagram above you can clearly see that with all the bass notes smeared together there may be more but it is less distinct and not a natural sound at all. Our ears have become accustomed to the distortion from HiFi systems and unfortunately however good your system the cable still distorts the sound.

Tellurium Q™ is different. With virtually no smearing due to its unique properties you will experience distinct bass notes with greater range. You will notice clearer mid and top end for similar reasons but also because Tellurium Q™ has a better bandwidth than most other cables too.

At first the bass may sound a little light until you become attuned to hearing more of the bass notes because they don’t hit you muddled and squashed into a big pile but flow to you as you would naturally experience them in reality.



Clearly Better Sound

This is why we use the picture above and the phrase “Clearly Better Sound” on the first page of our web site.

Tellurium Q™ is all about delivering the clearest quality sound in its price range from all our products. This is not jaded marketing hyperbole just a real commitment to our fellow audiophiles.