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KLEI™ QSeries Cables BROCHURE

**Advancing the art and science of Cable design
Keith Louis Eichmann (KL) proudly introduces
the next generation Express, Essence, Quiessence, and
GZSeries cables**

The KLEI™ QSeries cable range – QFLOW™, QPURITY™ – is the next generation development of Keith Louis Eichmann's Express, Essence, and Quiessence cables – which represent KL's previous, and widely accepted, cable designs.

These earlier designs in varying degrees utilised the Eichmann Ratio™ and/or GnC™ (Ground Nulling Circuit). The new QSeries™, the evolution of his previous GZSeries™, is the result of over thirty-five years of dedicated research by inventor and designer Keith Louis Eichmann.

Evolving out of the advanced technology embodied in our previous GZSeries™, the new QSeries™ represents a further miniaturisation and shrinking of the Eichmann Ratio™ and GnC™ architectures. His QSeries™ cables have significantly lower mass and reinforce the KL mantra that less is more. The new QSeries™ represents up-to-the-minute thinking and KL's most advanced designs to date.

The sonic improvements over his previous cable offerings can't be overstated, even in direct comparison with his previous GZSeries™ cables.

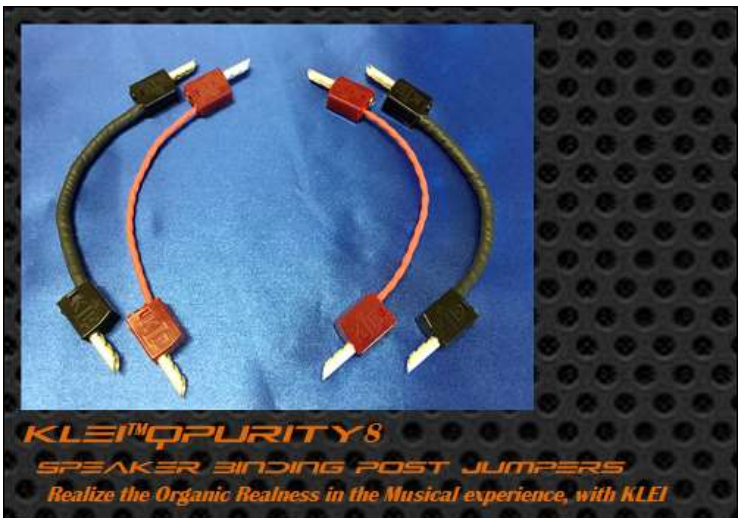
The QSeries™ also represents the logical extension of KL's proprietary mathematical modeling on the interaction between signal and ground/return conductors. This latest manifestation of a purposeful difference between ground/return and signal elevates the concepts behind the Eichmann Ratio™, GnC™, and GZSeries™ architectures to a new level, and does so very elegantly.

In the QSeries™, there is increased control of the ground/return on the signal conductor to minimise internal and external interferences. This is accomplished by using the ground/return to effectively protect the signal from external disturbances such as EFI, EMF, RF, and static charges.

KL's research has produced a cable architecture which dynamically works to maintain a zero voltage, low noise, ground state. As described above, this serves to protect the signal from capacitive, inductive, EMF, EF, EFI, and other effects. As such, the QSeries™ configurations facilitate a smooth uninterrupted signal flow from one component to another, effectively isolating them from each other and allowing each to perform its task without interference.

MATERIALS: From the very outset, KL has had an understanding of and sensitivity to electron and energy flow. His designs focus on signal integrity, the elimination or mitigation of causes of electron turbulence, most notably capacitive and inductive reactance, as well as EMF, EF, EFI, and other effects. An important theme in his designs has been his choice of materials. In selecting them, he's made conscious design decisions to always use complementary materials. This ensures that the conductors surrounding the signal work in harmony, and don't contribute to electron chaos. Turbulence at the electron level can inhibit smooth signal flow. KL's specified materials serve to improve signal integrity and to reduce or eliminate known compromises for smooth electron and energy flow.

OPTIMUM MASS: Bigger, thicker, and more massive doesn't add up to better sound. In fact, quite to the contrary. A studied, optimised, and in most cases a minimalist approach to mass actually results in better sound – and better electron and energy flow. KL's proprietary signal-to-ground mathematical modeling ensures an optimal architectural relationship between all signal/ground conductors and



dielectrics. The result is more control, and the avoidance of sonic compromises as described above. Controlling these parameters ensures a complete, full, and extended frequency range, where harmonics are conveyed from component to component, intact.

METALLURGY: This is of paramount importance and something that's been central to KL's designs from the very beginning. He has been committed to implementing and using only conductors that are *as or more* conductive than pure copper and/or even pure silver.

It is important to note that the signal and ground conductors are harmoniously laid in a way that they work together and not in opposition to each other. The QSeries cables excel in this area, and the bottom line is that no matter how you get there, and to quote a favourite expression of KL's, 'the proof's in the pudding.'

ARCHITECTURE: In accordance with KL's signal to ground mathematical modeling, the QSeries architectures are comprised of hand wound conductors, and implemented in a manner to dynamically enhance electron flow in the signal conductor without the use of electronic components. It requires precise calculation, hours of hand fabrication, and often several days of cooking – burning in – on a professional grade purpose built cable burner. Each successive model in the QSeries cable range, utilizes a progressively more sophisticated cable architecture, employing varying combinations of ground/return conductors, constructed from ultra-high conductivity copper, and/or silver, to achieve cumulative performance improvements with each successive model.



The QSeries architectures are the further development of the design principles implemented in KL's earlier cables, which themselves at the time represented some of the most radical approaches ever undertaken in cable design. Unlike other manufacturers who typically design their products to have identical characteristics between the signal and ground/return, in the QSeries, KL has taken an approach that utilises a calculated and purposeful *difference* between ground and signal carrying conductors.

There is an unmistakable parallel between the QSeries cables and the approach taken in the KLEI™Harmony connectors. QSeries cables create a synergy that produces exceptionally, and even shockingly better performance, especially when combined with the KLEI™Harmony connectors.

The QSeries architectures are proprietary, and we employ extremely high purity copper and/or silver as conductors.

MATHEMATICAL MODELING: The relationships between ground and signal, i.e. metal and dielectric complement, mass, and other critical parameters, are derived via KL's signal-to-ground mathematical formulae, and differ from model to model.

Digital – AES/EBU (AES3) - XLR



QFLOW7 AES/EBU

- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an exceptionally high level

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)

Digital – SPDIF (Coax) – RCA



QFLOW3 SPDIF

- Equipped with KLEI Pure Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of the QFLOW3 design
- The QSeries™ architecture, as utilised in the QFLOW3, allows it to perform sonically at an even higher level than the previous qZERO3D SPDIF

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)



QFLOW7 SPDIF

- Equipped with KLEI ABSOLUTEQ Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of the QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an even higher level than the QFLOW3 SPDIF

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

Digital – USB



QFLOW7 USB

- Equipped with USB A & B connectors
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an exceptionally high level

🌟 *The KLEI QFLOW7 USB cable was really up there. Compared to the Curious I thought it more analogue like and the sound stage widened with greater depth, and it was more organic. Characteristics of texture and organic type sound implies better harmonic resolution, so maybe that's what KLEI™QFLOW7 USB cable was delivering... BH*

Recommendations: depending on the audio system...

- Burn-in Time: >100hrs and even >300hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)

BH, a customer, has the following to say about the KLEI™QFLOW7 USB:

'... At the moment I am using a short Curious cable from an ISO Regen into my Direct Stream. Generally the Curious has the edge on other USB cables I have tried and have mentioned it before in various threads. Cable and connector inventor/designer who I know, Keith Louis Eichmann of KLE Innovations, borrowed my Mac Book for consistency, to use and test with his new USB cable design.

He bought the Mac back along with his KLEI™QFLOW7 USB cable and, well I was stonkered – KL's KLEI QFLOW7 USB cable was really up there. Compared to the Curious I thought it more analogue like and the sound stage widened with greater depth, and it was more organic. Characteristics of texture and organic type sound implies better harmonic resolution, so maybe that's what KLEI™QFLOW7 USB cable was delivering.

... What I can say for sure is that the KLEI™QFLOW7 USB cable is one fine USB cable. Well worth giving it a try and I got one to go with my Curious

Interconnects/ICs – RCA



QFLOW1 ICs (Concert)

- Equipped with KLEI Pure Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of the QFLOW1 design
- The QSeries™ architecture, as utilised in the QFLOW1, allows it to perform sonically at an even higher level than the previous gZERO1, gZERO2, and gZERO3 ICs

Recommendations: depending on the audio system...

- Burn-in Time: >200hrs and even >400hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)



QFLOW3 ICs (Concert)

- Equipped with KLEI SILVERQ Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of the QFLOW3 design
- The QSeries™ architecture, as utilised in the QFLOW3, allows it to perform sonically at an level even higher than the QFLOW1 and previous gZERO6 ICs and gZERO10 ICs

Recommendations: depending on the audio system...

- Burn-in Time: >200hrs and even >400hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)

Tim & Christer, customers, have the following to say about the KLEI™QFLOW3 ICs:

'...The QFLOW3CV ICs play with such authority that if I did not know the price I would have guessed a price of at least 3 times this price. It has good background definition, separation (both male and female voices are separated nicely within the music), and transparency. Later I tested it against the much more expensive Chord Sarum T ICs (a cable that I have had for about two years which is a very good and affordable cable) and that comparison ended in a draw.

Both have their advantages and overall, both will be included in my system; Symphonic Line RG 10 Mk4 Reference HD Master, Hegel Mohican (cd), Clearaudio Performance DC, Naim streamer and Naim Uniti Core (ripper), Focal Sopra No1 and cables are the Chord Music SCs and KLEI QPURITY∞∞∞ ICs.



QFLOW7 ICs (Concert)

- Equipped with KLEI ABSOLUTEQ Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of the QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an even higher level than the QFLOW6 ICs

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

Tim & Christer, customers, have the following to say about the KLEI™QFLOW7 ICs:

'...Here is a comparison (based on my/our memory image) with KLEI™QFLOW3 ICs. The already very good KLEI™QFLOW3 ICs has a "sibling" in KLEI™QFLOW7 ICs which of course is an (even) better cable. May be that our review does not fully give a fair judgment (read; deserves additional superlatives) because we have restrained in our impressions/views of our experience but the thing is that the cables are outstanding cables (read; without competition when both price and quality are taken into account).



QPURITY∞∞∞ ICs (Symphony)

- Equipped with KLEI PERFECTQ Harmony (Bullet) plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QPURITY∞∞∞ design
- The QSeries™ architecture, as utilised in the QPURITY∞∞∞, allows it to perform sonically at an even higher level than the zPURITY888 ICs

Recommendations: depending on the audio system...

- Burn-in Time: >400hrs and even >600hrs
- Settling Time: >6hrs and preferably >48hrs (once unplugged and replugged)

Tim & Christer, a customer, has the following to say about the KLEI™QPURITY∞∞∞ ICs:

'...The cable is a fantastic/brilliant audio interconnect, which when compared to other well-known brands' top models is a very affordable cable with high quality.

Voices, both female and male, are separated from the music in an exquisite way. It allows us (me and my listening companion Christer), as listeners, to hear and discern details that we have not previously heard. The background is very black and quiet.

Other assessments are; transparent, clear definition (such as great rhythm of the instruments), not noisy or edgy or tizzy, controlled bass, and very good dynamics regardless of sound level.

QPURITY∞∞∞ ICs is an interconnect cable that I can highly recommend for its high quality and value for money. It is today my best cable, in fierce competition with other cables such as the Chord Sarum T ICs, etc.

KLEI's cables are flexible (in Swedish = smidiga/"böjbara"/flexibla) and equipped with better connectors than other cables I own, have owned, or tested.

Finally, we have had difficulty finding the right words (superlatives) for the excellent KLEI QPURITY $\infty\infty\infty$ ICs. With many additional hours of playing music (cable burnin time), and much more listening, this already exquisite cable gets better and better!!

Interconnects/ICs – XLR



QFLOW7 XLRs (Concert)

- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at a level equivalent to the QFLOW7 ICs

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >450hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

DV, a customer, has the following to say about the KLEI™QFLOW7 XLRs:

'...I can unequivocally state, there is a genuine improvement..

Once again I noted this sense of distortionless (pardon me making up words) ease with which the music flowed. For me the mid-range in particular is where the most improvements are to be found. There is greater transparency and yet with it greater density in the images that flow from the speakers. Voices and mid-range instruments take on a wonderful life like character with excellent tonal purity.

I love it that I can have detail and transparency without sterility. I have also found these to be a little more open and image depth and density is better. Bass and treble performance is admirable.

All in all another excellent cable from Keith Louis Eichmann and one which falls within the family virtues of all his cables, that is being neutral, transparent, but most importantly, musical.

Speaker Cables/SCs

John Ransley, *Totally Wired*, has the following to say about the KLEI™QSeries SCs:

'The KLEI™QFLOW2 SCs are the new entry level, fitted with the Classic Harmony banana – they sound sweet and open.

The KLEI™QFLOW3 SCs replace and outperform the similarly priced KLEI™gZERO6 SCs – so don't let the numbering system confuse you. Fitted with KLEI™PureQ Harmony bananas and refined conductor architecture, you're getting a big improvement.

The KLEI™QFLOW7 SCs produce greater scale and have even better bass performance and dynamics – these are now our go-to SCs for most systems.

The KLEI™QPURITY8 SCs, it is hard to imagine anything better than the KLEI™QPURITY8 SCs – I have played with more costly cables with seriously over engineered terminations and buckets of audio glitz, but none have approached what the best of the KLEI cables do – the music simply flows out of these in a way that allows you to hear the very best of what your amplifiers and speakers are capable of. In the past I balked at the idea of carrying cables at this price level in stock. But given the price equivalency of these to the KLEI™zPURITY88 ICs which I have no hesitation in recommending, it has become a bit of a no-brainer to have these.



QFLOW2 SCs

- Equipped with KLEI Classic Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QFLOW2 design
- The QSeries™ architecture, as utilised in the QFLOW2, allows them to perform sonically at an exceptionally high level and even higher level than KL's earlier designs.

Even though they are the entry level, fitted with the Classic Harmony banana, they sound is sweet and open... JR

Recommendations: depending on the audio system...

- Burn-in Time: >150hrs and even >250hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)



QFLOW3 SCs

- Equipped with KLEI PUREQ Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QFLOW3 design
- The QSeries™ architecture, as utilised in the QFLOW3, allows it to perform sonically at an level even higher than the QFLOW2 SCs.

🌈 *They replace and outperform the previous and similarly priced KLEI™gZERO6 SCs. So don't let the numbering system confuse you. Fitted with KLEI™PureQ Harmony bananas and refined conductor architecture, you're getting a big improvement... JR*

Recommendations: depending on the audio system...

- Burn-in Time: >200hrs and even >300hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)



QFLOW7 SCs

- Equipped with KLEI PUREQ Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and determines the specific implementation of his QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an level even higher than the QFLOW3 SCs

🌈 *They produce greater scale and have even better bass performance and dynamics – the go-to SCs for most systems... JR*

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >350hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)



QPURITY8 SCs

- Equipped with KLEI PUREQ Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and determines the specific implementation of his QPURITY8 design
- The QSeries™ architecture, as utilised in the QPURITY8, allows it to perform sonically at an level even higher than the QFLOW7 SCs

🌈 *It is hard to imagine anything better than the KLEI™QPURITY8 SCs... JR*

Recommendations: depending on the audio system...

- Burn-in Time: >300hrs and even >400hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

BH, a customer, has the following to say about the KLEI™QPURITY8 SCs:

'... We arrived at the dealers place and fired up the system. It sounded fine - but I had the strange feeling the new KLEI™QPURITY8 SCs would be way ahead of the Chord SCs that were there. The Chord SCs were the first to go and in went the KLEI™QPURITY8 SCs. Big difference! The sound more analogue like, greater detail, the sound stage widened and depth increased, and the system was now sounding sweet.

Other KLE cables were then plugged into the system but since this is about the KLEI™QPURITY8 SCs I will not talk about what the other cables did. Suffice to say, once the other KLE cables were placed in the system, it simply let the KLEI™QPURITY8 SCs shine further. It was now the best system I have ever heard – period – and I have heard quite a few.

The dramatic sound improvement was simply a result of the KLE cables – nothing else.

*After the above listening session, I again called into the dealer later who wanted to listen again now that the cables had burned in and settled more. I will not say the exact blue words used – something along the lines of holly f***. It was simply stunning – these are the only words I can use. The sound stage, depth, organic wholeness, and detail were now at levels I have never heard before. The KLEI™QPURITY8 SCs are simply that good.*

Speaker Binding Post Jumpers – JUMPERS



QFLOW7 Jumpers

- Equipped with KLEI PUREQ Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and determines the specific implementation of his QFLOW7 design
- The QSeries™ architecture, as utilised in the QFLOW7, allows it to perform sonically at an exceptionally high level

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >350hrs
- Settling Time: >2hrs and preferably >24hrs (once unplugged and replugged)

John Ransley, *Totally Wired*, has the following to say about the KLEI™QFLOW7 Jumpers:

In 30 years I've sold countless pairs of speakers with bi-wire terminals, kilometres of speaker cable and endless banana plugs of every breed. Suddenly we have a single product which will lift the performance of every one of these systems. And that means yours.

Keith really has done something special here and it is a combination of things that could never have happened before. The new Harmony bananas have been a long time coming and the rapid development of Keith's unique speaker cable designs, his obsessions with metallurgy and conductivity all combine in these 100mm QFLOW7 jumpers. It never occurred to him to make a lesser version, yet he's kept the price down to a level that only gives partial payback on the development of the constituent parts. I've got a very good idea of the material value of these if I didn't have a red flag hanging in my office it would be easy to demand a much higher price that reflects the performance gain.

There is no down side to this. Improve the sound of your system with the KLEI QFLOW7 jumpers...

For all my listening of cables (and components) over the years, I've never heard anything like this level of performance enhancement for so little.



QPURITY8 Jumpers

- Equipped with KLEI PUREQ Harmony Bananas
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and determines the specific implementation of his QPURITY8 design
- The QSeries™ architecture, as utilised in the QPURITY8, allows it to perform sonically at an level even higher than the QFLOW7 Jumpers

Recommendations: depending on the audio system...

- Burn-in Time: >300hrs and even >400hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

Power Cables – AC/PC



QPURITY^{∞∞∞∞} AC power cable

- Proprietary spec'd IEC and EU/US plugs
- Employs KL's QZERO™ signal/ground formulae, where proprietary mathematical modeling is utilised to produce the ground to signal relationship, its parameters, and to determine the specific implementation of his QPURITY^{∞∞∞∞} design
- The QSeries™ architecture, as utilised in the QPURITY^{∞∞∞∞}, allows it to perform at an level even higher than the zPURITY8 AC/PC

Recommendations: depending on the audio system...

- Burn-in Time: >250hrs and even >350hrs
- Settling Time: >3hrs and preferably >36hrs (once unplugged and replugged)

Tim & Christer, customers, have the following to say about the KLEI™QPURITY^{∞∞∞∞} AC/PC:

...If you have read our previous reviews I do not have to repeat all the superlatives BUT I can add the following...

- *Even better background blackness and even better separation.*
- *This applies not only to male and female voices, but also the various instruments which are excellently separated. Thus the music is even more airy and even more transparent.*
- *It should also be added that our experience of listening has meant that the played music is experienced with great openness and exactly as it was recorded.*

Although, we are not sure if this is solely due to the excellent power cable or combination, that is giving the big performance lift/improvement? I think I know that with KLEI's cables throughout the signal chain, I will achieve my ultimate system.



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