

Choose from our award winning cable ranges



Analogue Interconnect

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Speaker Cables

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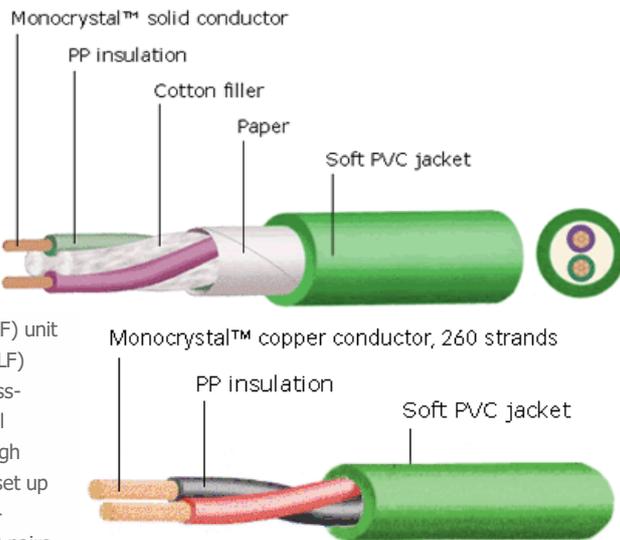
MS4.45 Biwire Loudspeaker Cable

SHARE ★ Audiophile ★ Cable Match Table

Our extensive R & D confirms that a mix of multi-stranded and solidcore conductors offer greater dynamics, more extended bandwidth at frequency extremes, and the finest of detail. (MS2.3 MULTISTRAND + MS2.15 SOLIDCORE)

Our competitors fail to understand the obvious advantages of using both multi-stranded AND solid core conductors in a bi-wire configuration (they tend to use 2 x the same multi-stranded cable resulting in a rather sluggish sound).

A loudspeaker consists of two drive units. - a high-frequency (HF) unit (tweeter), and a low frequency (LF) unit (woofer) they employ a "cross-over network" to direct low signal frequencies to the woofer, and high frequencies to the tweeter. This set up enables the loudspeaker to be bi-wired. In a biwire configuration 2 pairs of speaker cables are employed in order to ensure that the signals for the tweeter and woofer are sent by separate routes. Here, the cables feeding the higher frequencies (H.F.) are not affected by electromagnetic interference from the low frequency signals (L.F.), which are carried in separate conductors.



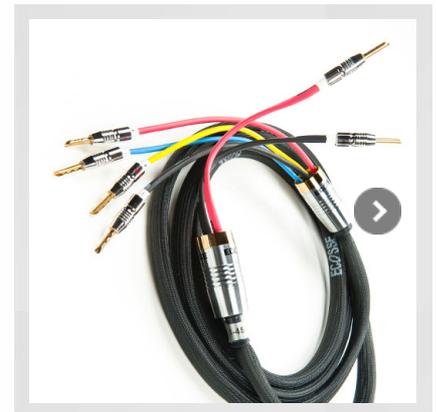
For systems offering audiophile level clarity and dynamics, we offer the stunning hi-end biwire set-up MS4.45, which employs separate multi-strand and solidcore conductors- in separate sheaths. With the MS4.45 our multi-award winning, world renowned MS2.3 multistrand cable drives the bass/mids and is the perfect match with the BEST OF TEST/HIGHEST TEST SCORE EVER (HI-FI NEWS) MS2.15 solidcore, driving the tweeters.

Many manufacturers and hi-fi critics use just this combination in their demonstration or evaluation systems (including a very well-respected manufacturer of SACD equipment).

Truly, in the MS4.45 biwire we have another world-beater!

Biwiring Advantages

Using a [biwiring configuration](#) the net effect is a reduction in impedance seen by the amplifier; load is reduced and frequency response increased. The upshot of which is a genuine extension of soundstage and dynamics. [More information on biwiring can be found here.](#)



Reviews & Testimonials

"При использовании на недорогой системе с бюджетным CD-плеером звук становился более динамичным и разборчивым за счет выдающейся детальности высоких частот. Звучание этого кабеля можно назвать эффектным: все инструменты, а также вокал обретают с ним плотность и как бы выходят навстречу слушателю. При включении его в систему кажется, что увеличивается уровень громкости."

Translation: "When using an expensive system with CD-player voices become more dynamic and clear due to greater detail and high frequency. Sounding of this cable can be called effective: all instruments, as well as vocal gain density as if it comes to the listener. When it is connected to the system it appears that volume level increase."

Russian T3 Gold Winner

"...an outstanding (performance) one from the Monocrystal™ types especially the purity and clarity."

The MS4.45 is available ex factory pre-terminated and in nylon webbing- to keep the cables tidy. It represents our no-compromise, quality performance biwire cable set.

Suitable for both biwiring and bi-amping. In a tri-wire or tri-amp set-up, we recommend the MS2.3 driving the bass units and 2 runs of MS2.15, one driving the mid units and one driving the treble units for ultimate bandwidth extension and presence.

May be configured 2-to-4 or 4-to-4 and terminated in z/x bananas or spades, or Monocrystal™ logo-bananas or Monocrystal™ spades.

[➔ Order here](#)

Technical Specifications

MS2.3

- 3mm sq x 2 x-section cable for bass/mid extension
- 260 Monocrystal™ Copper rope-lay strands per conductor
- Superior low-loss PP dielectric insulation
- Cotton fibre and paper tape acoustic damping
- 8.5mm o/d circular soft PVC jacket

MS2.15

- 1.76mm sq x 2 x-section cable for treble extension
- Perfectly circular Monocrystal™ Copper solidcore conductors
- Superior low-loss PP dielectric insulation
- Cotton fibre and paper tape acoustic damping
- Cotton paper and yarn filled
- 7.5mm o/d circular soft PVC jacket

[➔ Order here](#)

We cannot stress enough that significant improvements are possible from matching mains cable, loudSpeaker and interconnect cable-grade-wise (see our 'at-a-glance' Cable Match Table) throughout your system, thus enhancing synergy.

especially the purity and clarity available from the solidcore (MS2.15)."

"Esteemed reviewer Peter J. Comeau, in the same article, then went on to say: "The star here is the MS2.15, using 2 x 1.5mm solid core conductors that give exceptional midrange and treble purity able to 'clean up' systems which otherwise sound grainy in this area."

HI-FI News and Record Review Magazine, UK

• *"Ecosse Reference Cable has won many awards, and the few examples that we've listened to have all been very high quality, delivering a balanced and neutral sound. Playing the unaccompanied choral music...resulted in a very detailed and fluid performance. High voices never became harsh or screechy and there was a fine sense of space. There was good balance between the voice sections and natural decay. The same fluidity was shown with both Rock and Dance...detailed yet controlled, with good solid bass and even better midrange and treble. This is a fluid yet neutral and detailed cable that should suit most systems and last for the rest of your audiophile life. **Highly recommended.**"*

HI-FI Choice Magazine, UK

• *"Once run in this is a marvellous cable that seems to engender a sense of flow and pace. The music is given free reign, and arrives at the listener's ears devoid of any electronic artifacts: it sounds smooth, pure and utterly accessible. Tonally, there's a further sense of extension - bass notes sound deeper and fuller, but without becoming saturated or bloated. The all-critical midrange gains presence and texture, and the treble opens up, revealing greater detail, but not at the cost of composure. As for staging, the sense of enhanced openness creates a more spacious, more generous delivery, with more room for individual instruments and vocals to accurately come to the fore...the sum total of all these parts is quite astonishing. The music sounds, well, real."*

Audio Video Magazine, South Africa