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## ES4.45 Biwire Loudspeaker Cable

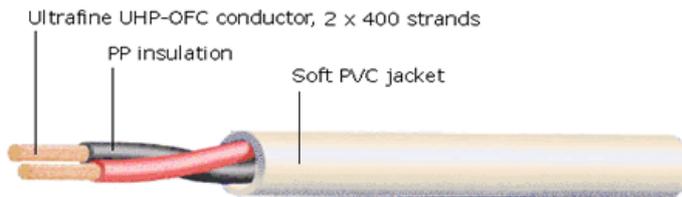


★ Premier Plus ★ Cable Match Table →

Ecosse stands apart in regards to the appropriate conductors one should use in a biwire combination. (ES2.23+ MULTISTRAND + CS2.15 SOLIDCORE)

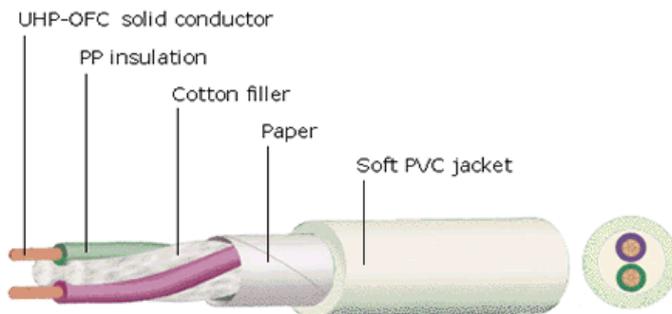
Our extensive R & D confirms that a mix of multi-stranded and solidcore conductors offer greater dynamics, more extended bandwidth at

frequency extremes, and the finest of detail. 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).



For systems offering greater clarity and dynamics, we offer the superb mid/hi-end biwire set-up ES4.45, which employs separate multi-strand and solidcore conductors- in separate sheaths. With the ES2.23+/CS2.15 (or ES4.45 bi-wire), our

ES2.23+ multistrand cable drives the bass/mids and is the perfect match with the CS2.15 solidcore, driving the tweeters. Here we introduce a large perfectly round solidcore conductor-our, so-called, CS2.15 'speaker cable'.



The CS2.15 is a quality; full bandwidth loudspeaker cable sometimes necessary when we acknowledge that some amplifier/loudspeaker combinations, while exhibiting many strengths, may suffer well documented slight upper-mid glare and treble edginess (and/or over-emphasised bass). The greater strengths of its 1.5 sq mm perfectly circular solidcore conductors provide the solution to this problem.

The occupation area for the mid and high frequency signals in a solidcore conductor is greater than a stranded conductor of similar X-section, therefore resistance is reduced and delivery of high frequency information is improved and even extended. Low DC resistance meanwhile maintains low frequency extension and control, presenting it with weight, speed and perfect pitch accuracy. The result is an improved sense of ambience and larger soundstage; vocals are clearer with real presence and natural breath tones; glare and edginess give way to a sweeter and more detailed treble.

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.



### Reviews & Testimonials

🗨️ "We were intrigued and a bit dubious about the coupled design of this biwire. But make no mistake: Ecosse's ES2.23+ (nee ES2.3)/CS2.15 is superb." "...you can't do better than the fabulous ES2.23+( nee ES2.3)/CS2.15 biwire. It communicates all the dynamics, subtlety and realism that the system has to offer"

What HI-FI? Sound and Vision Magazine, UK

🗨️ "The new combination (ES2.23+ (nee ES2.3)/CS2.15) sounds stunning. Spin Bonnie Prince's Ease Down the Road set and the realism of gently plucked guitar and forlorn vocal is astonishing."

What HI-FI? Sound and Vision Ultimate Guide Magazine, UK

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.

## 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.](#)

This combination has won numerous 5-STAR/BEST of TEST/ULTIMATE GUIDE AWARDS

The ES4.45 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 ES2.3 driving the bass units and 2 runs of CS2.15, one driving the mid units and one driving the treble units for ultimate bandwidth extension and presence.

Cable sheathed in BLACK nylon braid for tidy installation. May be configured 2-to-4 or 4-to-4 and terminated in z/x copper bananas or spades.

[Order here](#)

## Technical Specifications

### CS2.15

- Perfectly circular Ultra Hi-Purity-OFC™ solidcore conductors
- Superior low-loss PP dielectric insulation
- 1.76mm sq conductor x-section for treble extension
- Cotton fibre and paper tape acoustic damping
- 7.5mm o/d circular soft PVC jacket

### ES2.23+

- Ultra Hi-Purity-OFC™ multistranded conductors
- Superior low-loss PP dielectric insulation
- Rope-lay twisted pair configuration
- 3.00mm sq. conductor x-section for bass/lower mid extension
- Cotton paper and yarn filled
- 9.5mm circular o/d 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.

# ECOSSE

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