



flatline cables

 **NORDOST**

MAKING THE CONNECTION



Red DAWN
Flatline cable

Flatline cable
BLUE HEAVEN

Flatline cable
DAWN

Flatline cable
BLUE HEAVEN

Flatline

flatline

It's where the story started...

Nordost products are based on proprietary, often revolutionary technologies, but the extruded FEP process that made the Flatline cables possible represented our first great breakthrough in audio performance – and it remains one of the most important.

When they first appeared, Flatline cables took the audio world by storm, winning prestigious awards in every market they entered. That's because they

didn't just look different – they sounded different too: quicker, cleaner more dynamic and more natural than the competition, they quickly became the musical standard against which other cables were compared.

By extruding the insulation layer around the multiple, individual, solid-core conductors, we were able to create a family of cables that combined incredible structural simplicity with remarkable performance. The resulting ribbon was both geometrically and mechanically stable, the flat array delivering textbook inductance, resistance and capacitance values while the superior electrical properties of the FEP dielectric minimized the damaging storage and skin effects that afflict more conventional designs. Combined with high-quality, lightweight connectors, the result was a whole range of wide bandwidth, ultra low-loss cable designs that delivered unprecedented balance and performance for the price.

Today's Flatline designs are further refinements of those originals, with developments in conductor materials and dimensions delivering additional increases in performance. But the essential recipe remains the same: simple structures that musically speaking, deliver just what you need, when and where you need it. Their ability to pass signals at phenomenal speeds and with superb phase integrity means that your music arrives on time and intact. Meaning that all you have to do is sit back and enjoy it, because as you'll soon realize...

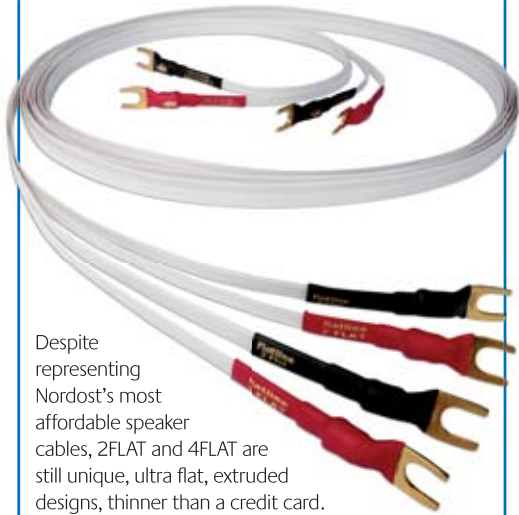
... There's nothing flat about this performance!



www.nordost.com

Made in the USA

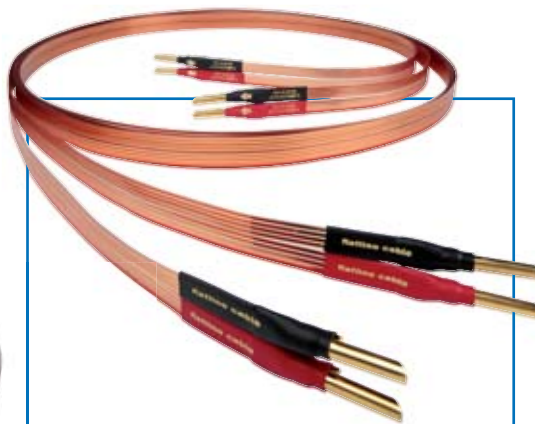
2FLAT and 4FLAT Speaker Cables



Despite representing Nordost's most affordable speaker cables, 2FLAT and 4FLAT are still unique, ultra flat, extruded designs, thinner than a credit card. They consist of rectangular, solid, OFC conductors held in a white, extruded FEP jacket. Like all Flatline designs, they have very low inductance and capacitance due to their flat construction, while the large cross-sectional area of the conductors ensures extremely low resistance. Superior geometry and materials deliver greater detail and dynamic range than competing designs, the hallmarks of Nordost performance. The excellent sound quality and low signal loss of the FLAT series cables makes them ideal for use in performance orientated stereo systems, built around today's budget audiophile separates, delivering superb results at an affordable price.

They are also perfectly suited for AV and multi-channel systems where their easy to accommodate construction makes that long runs to rear channel speakers can be achieved discretely and without compromise, with cables that match the ones used on the main stereo pair. The extremely hard-wearing FEP jacket makes them the perfect choice for installation under carpets and floor coverings, even in high traffic areas.

- **Insulation:** Fluorinated Ethylene Propylene (FEP)
- **Construction:** Precision Extrusion
- **Conductors:** 2 or 4 flat rectangular
- **Material:** 99.9999% OFC
- **Capacitance:** 7.0pF / ft (2FLAT) 8.0pF/ft (4FLAT)
- **Inductance:** 0.17uH / ft (2FLAT) 0.14uH/f (4FLAT)
- **Propagation Delay:** 90% speed of light
- **Terminations:** 4mm Z plugs or gold-plated spades. 4FLAT can be configured for shot-gun, bi-wired or bi-amped connection



Flatline Gold MkII and Super Flatline Speaker Cables

The latest versions of the original Flatline cables, Flatline Gold and Super Flatline still use four rectangular 99.9999% OFC conductors a side, in a flat array arrangement. Each conductor is ultrasonically cleaned to remove all contaminants from its surface and then they are individually encapsulated with 0.5mm of extruded FEP. The result is an incredibly tough, thin and capable cable, with each single conductor able to carry 12.5 amps of current at 300 volts. That's an impressive performance that means these cables barely break a sweat, even under the most demanding hi-fi loads. Their flat construction and high-performance dielectric ensures excellent mechanical stability, textbook electrical characteristics and superb speed and phase coherence. The result is a sense of musical dynamism, communication and drama that leaves the competition in the shade. It's no surprise that Flatline Gold and Super Flatline are firm favorites with both the audiophile and AV communities.

- **Insulation:** Fluorinated Ethylene Propylene (FEP)
- **Construction:** Precision Extrusion
- **Conductor:** Groups of four Flat Rectangular
- **Material:** 99.9999% OFC
- **Capacitance:** 8.6pF/ft (Flatline Gold MkII) 9.7pF/ft (Super Flatline)
- **Inductance:** 0.13uH/ft (Flatline Gold MkII) 0.12uH/ft (Super Flatline)
- **Propagation Delay:** 91% speed of light
- **Termination:** 4mm Z plugs or gold-plated spades. Super Flatline can be configured for shot-gun, bi-wired or bi-amped connection



"This cable manages to combine both delicacy and clout with clarity and is highly recommended" (SuperFlatline)

Simon Pope, Hi-Fi World

"The detail that the BassLine allows through is awesome, the bass seems to have dropped a full octave, and the midrange and treble are very natural and full.... A serious system upgrade, without a doubt, but one that you will never regret in the slightest"

Ultimate DVD Technology

CinemaFlex BassLine Analog Interconnect



CinemaFlex BassLine is a flat, shielded interconnect cable specifically developed for use with sub-woofers in both high-quality stereo and home theater systems. The BassLine interconnect consists of six silver-plated, solid 24 AWG, 99.9999% OFC conductors. Each conductor is individually insulated with extruded FEP in a classic Flatline configuration, but in this case the conductors are shielded with an aluminized Mylar shield and then sheathed in a second, outer layer of extruded FEP. Due to its flat, shielded design and low signal loss, it is ideal for running line-level signals over long distances and is perfectly suited for running under carpets and inside baseboards or skirting boards.

CinemaFlex BassLine interconnects are available singly or in pairs, terminated with either RCA or XLR plugs, depending on system requirements. The limited bandwidth that they are required to reproduce means that they can be specially voiced to deliver superior low-frequency performance, and will extract greater speed, clarity and depth from any sub-woofer, improving both low-frequency performance and system integration.

- **Insulation:** Fluorinated Ethylene Propylene (FEP)
- **Construction:** Precision Extrusion
- **Conductors:** 6x Solid 24 AWG
- **Material:** 99.9999% silver-plated OFC
- **Capacitance:** 43.00pF/ft
- **DC Resistance:** 13.5 ohms per 1000ft/304M as terminated
- **Shield:** 100% Coverage Aluminized Mylar
- **Termination:** Gold-plated RCA or XLR, singly or in pairs as required

Blue Heaven

ANALOG INTERCONNECT CABLE

Each Blue Heaven interconnect consists of thirty separate, silver-plated 99.99999% OFC conductors, in a flat array micro-litz construction. The precision extruded FEP insulation holds each one in a geometrically precise and mechanically stable, low-loss flat array – the classic Flatline construction, delivering classic Flatline performance. They can be terminated in either balanced or single-ended configuration, using high-quality Neutrik connectors. The Nordost specific MoonGlo RCA plug uses low mass connecting elements and internal FEP insulation to perfectly match the characteristics of the cable.

- **Insulation:** Extruded FEP
- **Conductor:** 30x round micro-litz
- **Material:** 50 microns silver-plated over 99.99999% OFC solid-core
- **Capacitance:** 8.1pF/ft
- **Inductance:** 0.14uH/ft
- **Propagation Delay:** 93% speed of light
- **Termination:** Neutrik RCA or balanced XLR, or locking Din plugs

SPEAKER CABLE

Our most popular cable just got better!

Blue Heaven Revision II loudspeaker cable consists of 72 separate 99.99999% OFC solid-core conductors, each plated with fifty microns of high-grade silver in a flat array arrangement. The conductors, which have been slightly increased in size over the original Blue Heaven, are divided into 4 groups of 18 to facilitate easy bi-wiring or bi-amping. Each conductor is individually encapsulated in the flat and incredibly thin extruded FEP ribbon. Blazingly fast, Blue Heaven transmits signals at over 93% the speed of light.

- **Insulation:** Extruded FEP
- **Conductor:** 72x round micro-litz
- **Material:** 50 microns silver-plated over 99.99999% OFC solid-core
- **Capacitance:** 8.6pF/ft
- **Inductance:** 0.13uH/ft
- **Propagation Delay:** 93% speed of light
- **Termination:** 4mm Z plugs or spades, bi-wired, bi-amped or shot-gun configuration

“Blue Heaven Rev II is a fantastic cable”
Hi-Fi Sound and Vision



Red Dawn

ANALOG INTERCONNECT

Blue Heaven's bigger brother uses 20 heavily silver-plated solid-core 99.99999% OFC conductors, precision aligned in our classic flat array. The extruded FEP ribbon dielectric minimizes skin effect and dielectric absorption, resulting in a cable with superb levels of detail, transparency and dynamic range. Phase coherence is also excellent, providing stable, solid images and a natural sense of rhythmic integrity and drive. Equipped with high-quality Neutrik connectors, Red Dawn takes the Flatline concept to its performance extreme.

- **Insulation:** Extruded FEP
- **Conductor:** 20x round section
- **Material:** 60 microns extruded silver over 99.99999% OFC solid-core
- **Capacitance:** 8.9pF/ft
- **Inductance:** 0.12uH/ft
- **Propagation Delay:** 94% speed of light
- **Termination:** MoonGlo RCA, Neutrik XLR or Din plugs

LOUDSPEAKER CABLE

Red Dawn Revision II consists of forty specially dimensioned conductors of 99.99999% OFC each covered by an extruded layer of 60 microns of silver and laid in a flat array arrangement. Each of the conductors is separately encapsulated within the FEP extrusion.

Red Dawn is configured with four groups of ten conductors and is usually terminated with 20 conductors per side, although it may also be configured for bi-wiring or bi-amping. Capable of transmitting signals at over 94% of the speed of light, its remarkable transparency, detail and phase coherence make it the nearest thing you'll get to no cable.

- **Insulation:** Extruded FEP
- **Conductor:** 40x round section
- **Material:** 60 microns extruded silver over 99.99999% OFC solid-core
- **Capacitance:** 8.7pF/ft
- **Inductance:** 0.13uH/ft
- **Propagation Delay:** 94% speed of light
- **Termination:** 4mm Z plugs or spades, bi-wired, bi-amped or shot-gun configuration

“Compared to the Cardas Cross, my long term reference at this price point, the Nordost cable is cleaner, slightly quicker and has a more detailed and natural top end. As for the speaker wire, it sounds even more like one hand clapping. With that in mind, the Red Dawn wires and especially the speaker wires are just about the cleanest, quickest and most natural wires I've yet to hear. Stunning”

Todd Warnke, SoundStage!

Finishing Touches...

Eco3

All components in a hi-fi system acquire a standing static charge over time and cables are no exception. In fact, their performance can be severely affected – one of the reasons that Nordost eschew the complex heavy duty construction that so many cable manufacturers favor in an attempt to make their products look impressive. More material, more charge – it's as simple as that. So, whilst our minimalist, low-loss structures help minimize the problem, we take things a step further with Eco3 static inhibitor. This simple solution can be wiped over your cables before installation to further reduce the audible effects of static build up. You can repeat that process once a month (making sure that you turn the system off first) and you can use Eco3 on shelves, metal rack structures and equipment chassis parts too. Your system – and your ears – will thank you for it!



NORDOST SYSTEM SET-UP AND TUNING DISC

Changing your cables will change the energy spectrum of your system, especially if you are moving to faster wires with greater dynamic range. To really hear the benefits of better cabling you will almost certainly have to adjust the position and toe-in angle of your speakers by a small but musically significant amount. The Nordost System Set-Up and Tuning Disc is an audio toolbox specifically designed to optimize the placement and condition of your system. As well as system de-gauss and burn-in tracks, there are a range of special options to help you get your speaker positioning spot on, all supported by extensive, illustrated, downloadable instructions. So if you really want to know just how good your new Flatline cables are, make sure you treat your system to a tune-up and make-over – all courtesy of the System Set-Up and Tuning Disc.



“If you are planning to purchase cables in, or anywhere near this price range (up as well as down) Nordost Blue Heaven is strongly recommended for audition”

Dave Davies, Hi Fi+

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Nordost Corporation · 200 Homer Avenue · Ashland · MA 01721 · USA

Tel: +1 508 881 1116

Fax: +1 508 881 6444

Email: info@nordost.com

Website: www.nordost.com