

Power Cables and Distribution – SoundFoundations

Power cable - Barracuda PureLine/PowerMax Pro



After considerable amounts of trials and legwork we are now confident of offering a line of power distribution oriented products to fellow audiophiles that we are personally proud of.

We have tried to remain loyal to physics, trials, experience and lastly our own ears rather than falling prey to marketing and ambiguous claims.

It is important to understand that the main criterion here is, supplying "clean" and efficient power to our electronics without having a smudging or clouding effect.

Here in India, we face a two pronged problem

First - since we are a price sensitive market there is no Indian manufacturer that produces good quality IECs or plugs. Most use steel and zinc alloys that are rhodium plated and some use brass contact points (L&T Havells Northwest to name a few). There is no manufacturer that uses pure copper. Real Gold/Silver plating is only a dream.

(P.S This is the reason we were forced to use US plugs.)

The other issue we face is that of "dirty" power.

Most of our power mains come tapped from various stations, sub stations; fuse boxes etc having below par connectors with no RF or EMI control. This is a cause for concern. It is this "dirty" power that muddies the sound of a system

There is in fact NO power cable that can CLEAN that - however a good power cable will suppress that dirt without losing efficiency. Stray magnetic fields, electromagnetic interference, signal and loop pickups all need to be taken care of.

This is achieved by correct weaving of the copper conductors and using particular grain geometries.

The Soundfoundations Barracuda PureLine Mk3 cable is one of the first cables in the world that uses lead shielding and hence boasts almost zero emi/rfi. Lead is known to have the best EMI rejection properties. However International manufacturers are unable to use it since it is classified as a restricted item in most countries. This allowed us a unique advantage.

The lead shielded has proved to provide the lowest noise with the cleanest darkest background.

The cable is equipped with a high quality shield. This heavy shield has two important functions:

1. It keeps powerline noise from radiating outwards onto your close by equipment and interconnects.
2. It keeps external electromagnetic and radio frequency interference from entering the AC line



Guaranteed to get smoother highs, fuller and fleshier mids and weightier bass this budget cable is an absolute steal for the price. Experience improved clarity with a more expansive soundstage bringing out the best in your equipments presentation.

The PowerMax uses high purity oxygen free stranded copper conductors .The effective cross-section area of the blue Neutral and brown Lead/Hot current leads (*2) each is 2.5mm^2 (~ AWG 12), yielding a very low 0.8 Ohm/100 m. series resistance. The cable's loop current series resistance is therefore a very low 0.02 Ohm per meter run.

The PowerMax Pro is an excellent place to start when considering upgrading your mains cables and we believe it can bring discernible improvements to any level of system - from a mini-system to high-end components.

Its lower cost means that you can upgrade more components which brings an even bigger improvement through their 'cumulative' effect - in fact, it's better to upgrade more components with this level of cable than to upgrade one component with a much much more expensive model

Importance of a Power Cable

Nordost's Lars Kristensen performed a most interesting experiment; demonstrating the difference that a single Nordost Odin power cord can make on an entire system. Simply switching the cord from the wall receptacle between Valhalla (\$2500) and Odin completely transformed the sound of the entire system.

*According to Lars, introducing a single Odin power cord into a system makes a far significant difference than the change of interconnects. **Lars***

claims that even a system equipped with Nordost's far more modestly priced Blue Heaven can sound better than a system entirely wired with Valhalla when you change the initial power cable to Odin

Cable Specs

- * Conductor: 15mm OD - 12 AWG / 2.5mm² x 3 : 60/0.49mm (Specially Optimized Copper)
- * 3 layers EMI/RF shielding with vibration absorbing structure
- * Pure Copper Braided shield
- * Rated True 300V / 20A
- * CRYO -192 Degrees (48hrs) – PureLine Type 2 only
- * Lead Shielding –PureLine Type 3 only
- * Standard length- 5 feet

Connector Specs

- IEC+ US plug that fits into All distribution boxes like MX,Belkin Supra etc
- Voltage Rating: true 15A /250V
- Materiel: 99.99% OFC **Furukawa** Red - Copper - with 24k true gold plating
- Dimensions:70mm body length x 35mm diameter x 69mm overall length
- Nylon/fiberglass front body with polycarbonate shell
- CRYO -180 Degrees (48hrs) – in PureLine Mk2 only

Power Cable – XLS Trueline



Our In house assembled cable using top grade OFC (6n Purity) cores with dual shielding and double PVC sheaths. This cable is total bang for your buck. Base cable is terminated using the best Indian connectors we could offer. A 5Amp 3 pin plug featuring brass contacts at one end and a brass contact IEC at the other ensure pure delivery.

We have after many trials found this cable to be very clean and providing a wholesome dark background with minimal to low noise. Highly recommended for Mid Fi equipment and a serious upgrade to your stock power cord.

Stock terminated cable is 1.5m long

Cable Specs

- * Conductor: 10mm OD - 1.5mm² x 3 cores (6N purity 99.99%)
- * 2 layers EMI/RF shielding with vibration absorbing structure
- * Tin Braided shield
- * Rated True 230V / 12A

Base cable is procured from **taiwan**

Connector Specs

- IEC – 3 Pin Indian plug
- Voltage Rating: true 12A /230V
- Materiel: 99.5% Brass – L&T Top

Barracuda Universal Distribution Centre



- Specs :
- Internal wiring from Lapp (Germany)- fully point to point wiring using 3mm square OFC
 - 20A surge protection unit
 - Robust Hospital grade EMI RFI filter
 - US, EURO, UK, Indian, Singapore (independent tight fit for each unlike any modular sockets available)
 - Elcom/Neutrik (SWISS) power con IEC
 - Pure copper lugs from Mennekans (Germany)
 - 6 Sockets - German - Copper based 16Amp rated - the only copper based international socket
 - Custom Made acoustically neutral Pine case with internal damping and melamine polish