

## GreenLink 4&5

### Hi-end DIN interconnect



Hi-end DIN interconnects for remarkable sound quality with Naim Audio Equipment

- **GreenLink 5:** DIN 5 to DIN 5 (240 degree, 1m length) connecting Naim power supply (Super-Cap/Hi-Cap/Flat-Cap) to Naim Pre-Amp.
- **GreenLink 4:** DIN 4 to DIN 4 (Power & Signal, 1m length) connecting Naim power Amp to Pre Amp (NAC-NAP connection when no Hi-Cap is used).
- **GreenLink 4s:** DIN 4 to DIN 4 or XLR (Signal only, 1m length) connecting Naim power supply to Naim Power-Amp.

AR Sound GreenLink interconnect include an anti-resonant polymer within the DIN plugs.

This special high visco-elasticity polymer provides an airborne vibration isolation between the cable and the connected equipment (Pre-amp/Power-amp/Power supply). Another benefit of using this damping polymer is a reduction in the microphonicity of the DIN plug by controlling and lowering the resonance frequency of the plug.

*What is microphonicity?:* Music played in the room produces vibrations in the air and the interconnect, and the vibrating cable transforms this energy into an electric signal that interferes with and distorts the original music signal travelling from the music source to the amplifier. Lowering the distortion caused by a vibrating interconnect is overlooked by most manufacturers.

The visco-elastic polymer fills the internal air gap between the lead and the metal body of the DIN plug, damping any resonance or ringing in the metal plug and the cable, thus preventing it getting into and distorting the source music signal.

The result is better focus and resolution, with a more solid bass line and dynamic presentation.



### Technology

The AR Sound GreenLink use a low capacitance wire (115pF/meter). Low capacitance is an important factor in selecting a proper interconnect. The GreenLink interconnect contains Green cable pair, each Green cable contains two 22 AWG copper alloy twisted pair wires with Teflon™ (PTFE) insulation and fully screened.

Using double Green configuration enables delivering signal with one Green, while the second Green is dedicated for delivering only power. Yet another benefit is optimising the star ground connection- the ground for the signal cable is taken from the Hi-Cap and this is the same ground point that goes to the NAP- This means that the two grounds for the GreenLink 5 are separated and taken from the Hi-Cap and not from the NAC, while Naim SNAIC5 share the same ground wire for power and signal, thus compromise the star ground optimised connection.

The GreenLink 4 interconnect using the same double green configuration, delivering signal with one Green, while the second Green is dedicated for delivering only power, with DIN4 to DIN4 terminations for connecting NAC to NAP when there is no external power Supply being used (Hi-Cap or other). screen connections method between the two cables allows the best sonic and electrical results.

The GreenLink 4s interconnect with DIN4 to DIN4 or to XLR terminations is intended for connecting external power supply to NAP.

This interconnect use two Green cables in a pseudo-balanced configuration (with a floating screen) and used as a genuine shield that drains the picked up noise to a single point- the star ground at the Hi-Cap end.

The double green configuration in the GreenLink 4s interconnect delivers the Right channel signal with one Green, while the second Green is dedicated for delivering the Left channel signal.

Please note that the Green 4 Interconnect can also used to connect Naim PS to power-amp but using instead of two, only a single Green cable to deliver both channels (you can see the difference between GreenLink 4 to Green 4 as the difference between "Dual Mono" VS stereo).

The main pair of conductors in each Green cable twisted to further enhance RF rejection of the cable. first barrier avoiding RF noise from penetrating into the cable is the Silver plated OFC copper screen and the secondary treatment is the twisting of the internal pair.

The main pair of twisted conductors in each Green cable is made of a special, aerospace grade copper alloy carefully selected after extensive listening tests for its superb sonic qualities and durability. the copper alloy wire comprises a silver content which allows for better bonding to the silver solder used to make this superb interconnect.

The interconnect insulation is made of Teflon™ (PTFE), PTFE is the best insulation material used in the cables industry which has the lowest dielectric absorption. Using Teflon™ (PTFE) as insulation is a prime consideration in Hi-End interconnects. Teflon maintains a low capacitance and very high resistance between the internal leads which keeps interaction between channels to minimum.

The low dielectric absorption of Teflon allow locating the main conductors in the Green cable in very tight configuration- which renders the Green very high bandwidth cable while maintaining a low capacitance. Yet another benefit is that Teflon also bonds very tightly to the metal conductors and prevents oxidation of the metal over the years. It is only the high cost of Teflon (PTFE) cables which leads manufactures to choose inferior plastics, such as PVC, as insulation.

Teflon is also highly durable- actually you can put the AR Sound GreenLink in the oven at 180 Celsius degrees and nothing will happens to the lead! - except to the rubber gourmet of the DIN connector.

The internal soldering pads of the PREH DIN connector are silver plated and this ensures a perfect metal bonding in the solder joint between the copper-silver wire of the GreenLink, the silver plated connector soldering pads and the silver Solder.

**Please note that the cable is directional:** directionality mark is added- a band with the logo marks signal flow direction;

The cable end near the logo goes to the NAC in the GreenLink 5 and GreenLink 4, While in the GreenLink 4S the end near the band goes to the Super-Cap / Hi-Cap).

### Technical specifications:

100 Centimetres of two shielded twisted pairs - each one (each channel) contains two 19/34AWG silvered copper alloy stranded wires. (total of 0.84 mm square cut for each channel - 2 X 22AWG)

**primary conductors Insulation:** 1/16" PTFE.

**Shield:** silver plated OFC copper.

**Resistance** (per channel): 24 milliohms/meter (7.3 milliohms/feet).

**Capacitance:** 112 pF/meter (Hot to screen per single wire).

**Outside Diameter:** 6 mm

**External colour:** Semi-transparent light green.