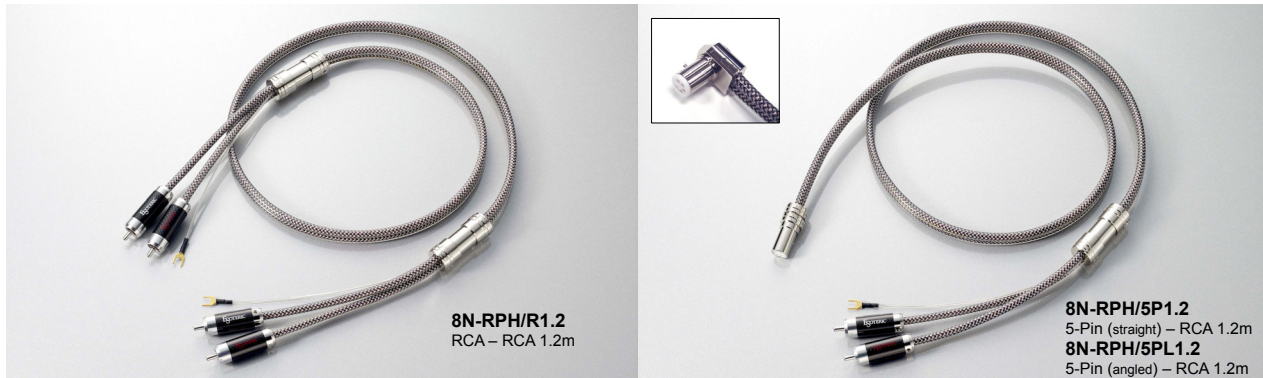


8N-Reference Phono Cable

Limited production: 300 sets (all model total)



- The ultimate analog experience -

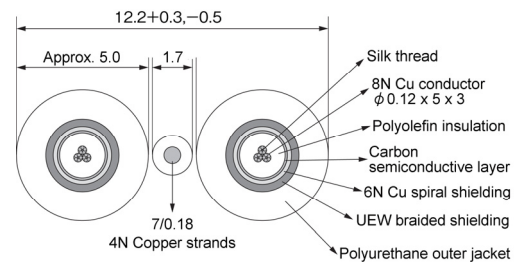
ESOTERIC 8N-Reference phono cable is designed as the highest class analog, interconnects (tone arm to phono stage). The material, design and sound engineering – all of these elements vital for phono signal transfer was technically investigated to provide the ultimate level analog experience. The dream of many audiophiles, who sought prestigious interconnects deserving of their well made tone arm is now a reality. The highest purity signal transfer from tone arm to phono stage that is provided by these cables is limited to only 300 audiophile sets.

Material

The ESOTERIC 8N-Reference phono cable incorporates 8N (99.999999%) high purity “stress-free” Cu (copper), conductors. This extremely pure and very rare material is manufactured by Nikko Materials Co., Ltd; the one and only manufacturer in the world who produces “true” 8N Cu material. The 8N Cu material was originally developed for the semiconductor industry which requires an extremely high level of quality certification. The 8N Cu guarantees 99.999999% purity and less-than-0.01ppm (parts per million), metallic impurities. This ultimate quality level is maintained by using ‘GD-Ms’ high precision material analysis technology. The 8N Cu wire uses special “stress-free” annealing technology to minimize distortion of the crystalline structure of the copper. This optimizes the highly purity and conductivity of the 8N-Reference cable.

Design

Every design element of the 8N-Reference phono cable is dedicated to sensitive phono signal transfer. The 8N-Reference incorporates tightly twisted ‘rope spinning,’ multi stranding conductors. 5 individual 8N Cu wires together with silk thread are twisted to make 3 units of twisted strands, and then these 3 units are twisted again to make a one “rope” conductor. This design ensures very tight conductivity of individual wire surfaces, eliminating space between each wire to minimize signal loss or distortion caused by random signal jumps between each wire. The center core insulation is made of polyolefin foam to achieve a low capacitance between the inner and outer group with minimal dielectric absorption. The heavy double layer shield: 6N Cu spiral shield and UEW (Polyurethane Enameled Copper Wire) braided shield, keeps out harmful RF noise completely. A carbon semi-conductive layer is added between the core and shield to drain harmful static charges. Thanks to these design elements, the 8N-Reference phono cable has ultimate transparency and very fast response as required for ultra high-end, phono signal transfer.



Engineering

Connectors are exclusively designed for this cable and carefully machined form solid metal – then precisely engineered by ESOTERIC. The contact pin of the 5-Pin and RCA connectors are precisely machined from beryllium copper. The RCA ground ring (plug sleeve), is machined from phosphor bronze and a carbon ring is added for vibration resonance control. RCA connectors feature dual layer hard plating (10 μm silver + rhodium), to achieve maximum conductivity and durability. The 5-Pin contact features 10 μm silver + 24K gold dual plating. The cable has a nickel plated brass stabilizer to achieve optimal vibration absorption quality which is vital for weak signal transfer.

- Design and specifications are subject to change without notice

Specifications			
Cable type		Parallel twin coaxial + ground wire	
Conductor material		Stress-free 8N (99.999999%) Cu	
Conductor structure		(0.12 φ × 5) × 3 rope spinning	
Capacitance		80 pF / m (1 kHz)	
Characteristic impedance		50 ohm	
External diameter		2.5 mm × 5 mm ± 0.3 mm	
Connector	5-Pin	Contact pin	Beryllium copper (Ag 10 μm + 24K Au plating)
		Outer sleeve	Brass (Ni plating)
	RCA	Contact pin	Beryllium copper (Ag 10 μm + Rh plating)
		Outer sleeve	Phosphor bronze (Ag 10 μm + Rh plating) + carbon ring
Cable Stabilizer		Brass (Ni plating)	