

# TARA LABS PROPRIETARY SA-OF8N GEN 2

## RSC CONDUCTOR INFORMATION

**(SA-OF8N)** - Super Annealed Oxygen Free Eight Nines Copper - Is the new standard in high performance copper purity. Variances in copper purity will result in audible differences. For over thirty-three years, TARA Labs has become world famous for our conductor design & technology. TARA Labs proprietary annealing process, known as Super Annealing (SA) During this patented annealing process, and through a series of intricate procedures, the copper conductor's flexibility is increased from a standard of 15%, up to 25% elongtivity, technically known as "Dead-soft." This helps create a conductor that works extremely well in high-end audio cables where flexibility is essential. Our copper conductor is Oxygen-Free Eight Nines Pure Copper (99.999999%) It is CPM (Copper Polished Mirrors) frequency tuned, mono-crystal, and hand polished. This creates a unique, long, unbroken crystal structure called "Mono-crystal™" which has exquisitely smooth and detailed transfer of frequencies over a very wide bandwidth. Additionally, this new Mono-crystal™ eliminates the high-frequency distortion caused by the junctions or breaks between crystals in typical copper conductors. Acting like diodes, those junctions between crystals in normal copper would alter the flow of high-frequency AC, causing audible distortion. TARA Labs patented SA-OF8N copper conductor is world famous for being the absolute best in high-end audio cables.

**(RSC) Rectangular Solid Core** - Our patented RSC conductors have become the definitive conductor technology in high-end audio cables. The rectangular shape offers a unique advantage over round conductors. They have the necessary mass for solid bass, yet are thin enough for a coherent reproduction of mid-range and high frequencies. The RSC is not subject to the same high frequency losses that hamper traditional round conductors. To further understand the principle behind RSC technology, it is necessary to understand a phenomenon known as "skin effect" This principle states that in a round conductor, higher frequencies will tend to travel towards the outside (or skin) of the conductor, while lower frequencies will travel closer to the center of the conductor. The larger the diameter of a round conductor, the worse the effect will be, resulting in a significant roll-off of high frequencies in large gauge conductors. Because of its rectangular cross section, an RSC conductor essentially has no center like a round conductor. Therefore it does not suffer the same high frequency losses. It is the only conductor that is able to combine high current-carrying capability with extreme frequency linearity

across the musical spectrum. It must be noted that it is not just the rectangular shape that distinguishes our conductor from all others. It is the exact measurements of that shape that make a difference. It took years of R&D to establish the exact measurements needed of the rectangular shape to achieve a conductor that has the ability of transferring an audio signal with a final result as close to a “live” sound as possible with pre-recorded music. “Nothing like live, Nothing like TARA”

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