**NiCu-C22: REVITILIZING THE PAST!**

**Schlegel Electronic Materials (SEM)** invented the first Fabric-Over -Foam gasket in 1987. At that time, the first conductive cladding used was the now famous blackened Silver Rip-Stop fabric AgRs-C2. AgRs-C2 would later serve as a reference for the entire shielding market. This highly flexible conductive fabric is still available today with unique characteristics linked to the silver.

After 25 years of continuous research and development in the efficiency of flexible substrates and coatings, Schlegel Electronic Materials is now proud to complete its offering of blackened EMI shielding gaskets with the introduction of its new cost-effective NiCu-C22 fabric. While NiCu-C22 is visually inspired by its silver-made precursor, the new materials utilized for its construction feature low surface resistivity, high abrasion resistance and enhanced shielding effectiveness. NiCu-C22 is available with most of SEM's profiles and foams.

**Nickel-Copper NiCu-C22 Specifications**
**Material:**
Cladding: Ni/Cu with urethane coating (Polyester Ripstop Fabric)

**Shielding Effectiveness:**
Shielding Performance of gasket per MIL DTL 83528C, frequency of 20MHz to 10GHz: 95.76 dB (average)
Note: Gasket geometry and application determine actual shielding effectiveness

**Surface Resistivity:** <=0.08 ohm/■

**Contact Resistance (SEM LP-3001):** <= 0.2 ohm-inch at 1 Kg load/inch

**Abrasion Resistance (ASTM D3884):** No change resistivity after1,000 cycles

**Compliance:** 2015/863/EU (RoHS 2.0)

**Galvanic Compatibility (Ni,Sn,Al,Zn):** SAE ARP 1481 Class B

**MIL DTL 83528 C**