

**Schlegel Electronic Materials (SEM)** SnCu-C50 EMI Gaskets provide excellent performance for outdoor cabinet applications. SEM SnCu-C50 gaskets are designed with Tin-Copper cladding over woven fabric. This provides good galvanic compatibility for most common frame materials. This also yields one of the lowest surface resistances available.

**Schlegel Electronic Materials** SnCu-C50 fabric is available in a variety of outdoor cabinet sealing shapes over closed cell foam cores including EPDM and Poron. Rectangular shapes are available utilizing SnCu-C50 fabric and Poron cores. SnCu-C50 is also available over our type 7 open cell foam with UL94-V0 rating in D shapes.

## Specifications - SnCu-C50

### Tin-Copper SnCu-C50 Specifications

SEM's SnCu-C50 gaskets are designed to provide improved galvanic compatibility with outdoor cabinet applications while maintaining maximum shielding effectiveness.

### Material Specifications:

Cladding : Tin/Copper with C50 acrylic coating (polyester plain weave)

**Surface Resistivity:** 0.016 ohm/■

### Shielding Effectiveness:

Shielding performance of gasket per MIL DTL 83528C, frequency of 20MHz to 10 GHz: 95.3 dB (average)  
Note: Gasket geometry and application determine actual shielding effectiveness.

**Contact Resistance (SEM LP-3001):** 0.09 ohm-inch at 1 Kg load/inch

**Abrasion Resistance (ASTM D3884):** No change resistivity: 1,000 cycles

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

### Color Variation:

A tin oxy-hydroxide passive layer is formed on the top of the metal which may induce light color variations in time. This layer provides a more effective corrosion protection than nickel and doesn't affect the electrical characteristics of the fabric.

