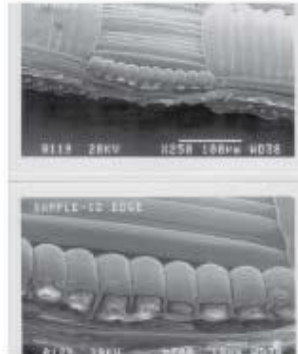
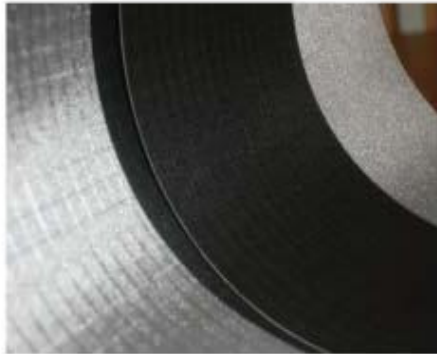


SCHLEGEL CONDUCTIVE MATERIALS - SPECIFICATIONS



As the inventor of conductive fabrics over foam shielding gaskets in 1987, Schlegel Electronic Materials has always set the industry standard for highly flexible conductive fabrics. Over 20 years of continuous research and development on substrates, plating process and protective coatings confer today to our conductive fabrics improved shielding effectiveness, excellent environmental durability and abrasion resistance. Reference on the market, Schlegel Electronic Materials fabrics are used from grounding pads in consumer products to high frequency shielding gaskets in supercomputers. Fabric-Over-Foam technology provides continuous contact with applications which ensures consistent shielding efficiency at very high frequencies and is non-abrasive to plated and painted surfaces.

3 : NiCu-C70 : Nickel-Copper plated polyester ripstop fabric sealed with Schlegel C70 coating.

4 : NiCu-C12 : Nickel-Copper plated polyester plain weave fabric sealed with Schlegel C12 coating

7 : SnCu-C50 : Tin Copper plated nylon plain weave fabric sealed with Schlegel C50 coating

9 : Ag-C2 : Silver plated nylon ripstop fabric sealed with schlegel C2 coating

	NiCu-C70	NiCu-C12	Ag-C2	SnCu-C50
Fabric type	PE Rip-stop	PE Plain Weave	PA 6 Rip-stop	PA 6 Plain Weave
Top Coating-Basis	Acrylic	Acrylic	Urethane	Acrylic
Surface resistivity	0.066 Ω /sq.	0.02 Ω /sq.	0.5 Ω /sq.	0.016 Ω /sq.
Shielding Effectiveness	96 dB MIL DTL 83528C	97.4 dB MIL DTL 83528C	95 dB MIL DTL 83528C	95.3 dB MIL DTL 83528C
Contact Resistance (@1 kg load)	0.08 Ω -inch SEM LP 3001	0.11 Ω -inch SEM LP 3001	< 1.00 Ω -inch SEM LP 3001	0.09 Ω -inch SEM LP 3001
Abrasion resistance (cycles)	1,000,000 ASTM D3886	1,000,000 ASTM D3886	800,000 ASTM D3886	1,000 ASTM D3884
Core	All types	All types	All types	EEH
Compliances	2002/95/EC (RoHs)	2002/95/EC (RoHs)	2002/95/EC (RoHs)	2002/95/EC (RoHs)
Galvanic compatibility (Ni,Tin,Al,Zn)	SAE ARP 1481 classB	SAE ARP 1481 classB	SAE ARP 1481 classB	SAE ARP 1481 classB

