Laird
Smart Technology. Delivered.

3057-525 Tin/Copper Ripstop Fabric

SN/CU NYLON RIPSTOP FABRIC WITH ANTI-FRAY

Laird Technologies' Flectron® Tin/Copper Nylon Ripstop is a unique fabric, manufactured using a patented, proprietary technology. This technology combines highly conductive copper and corrosion resistant tin with the light weight, drapability, strength, flexibility, conformability, and attractive appearance of a nylon ripstop fabric. Tin/Copper Nylon Ripstop offers excellent shielding effectiveness for a variety of applications.

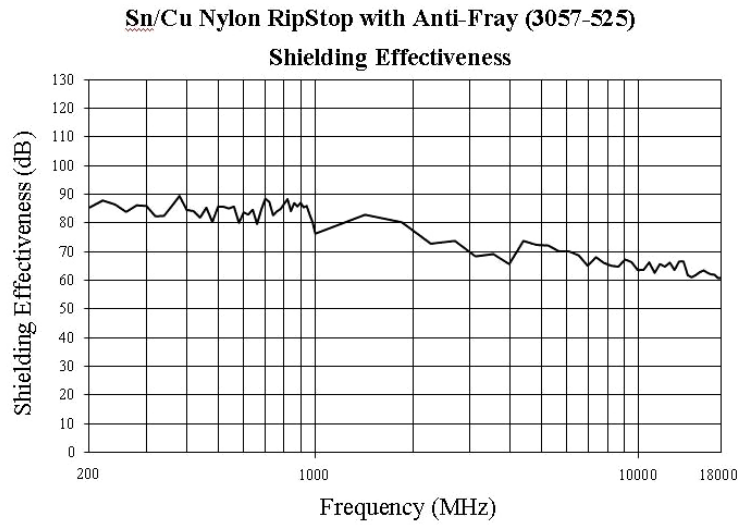
Flectron® Tin/Copper Nylon Ripstop can be used in many different configurations to protect against EMI/RFI and ESD in a variety of applications. Typical applications include: enclosures, cables, tapes, and grounding.

FEATURES

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of < 0.07 Ω/□ provides excellent conductivity
- Shielding effectiveness of >60 dB across a wide spectrum of frequencies

MARKETS

- Cabinet applications
- LCD and Plasma TV
- Medical equipment
- Servers
- Printers
- Laptop computers



USA: +1.866.928.8181
Europe: +49.0.8031.2460.0
Asia: +86.755.2714.1166

www.lairdtech.com

Laird™

Smart Technology. Delivered.

3057-525 Tin/Copper Ripstop Fabric

PHYSICAL PROPERTIES

Item	Unit	Value	Advantage
Substrate		Nylon Ripstop	Strong, Flexible, Conformable
Metal		Sn/Cu	Corrosion Resistant, Highly Conductive
Total Weight	oz/yd^2 (g/m^2)	2.0 – 2.5 (68 – 85)	Light Weight
Thickness, (nominal)	inches (microns)	0.003 (76)	Thin and Flexible
Max Short Duration Temperature	°C	150	Allows Thermal Processing

ELECTRICAL PROPERTIES

Item	Unit	Value
Surface Resistivity (ASTM F390)	ohms/square	≤ 0.07
Far-field Shielding	effectiveness	(typical)
At 200 MHz	dB	>85
At 1 GHz	dB	>75
At 18 GHz	dB	>60

MECHANICAL PROPERTIES

Item	Unit	Value[fi]
Tensile Strength, CMD/MD[◊] (ASTM D5035)	lb/in	30/50
Elongation, MD (ASTM D5035)		30%

[fi] Typical values for greige fabric

[◊] Cross Machine Direction/Machine Direction