Laird™
Smart Technology. Delivered.™

3050-525 Nickel/Copper Ripstop Fabric

NI/CU NYLON RIPSTOP FABRIC WITH ANTI-FRAY

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

Flectron® Nickel/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.

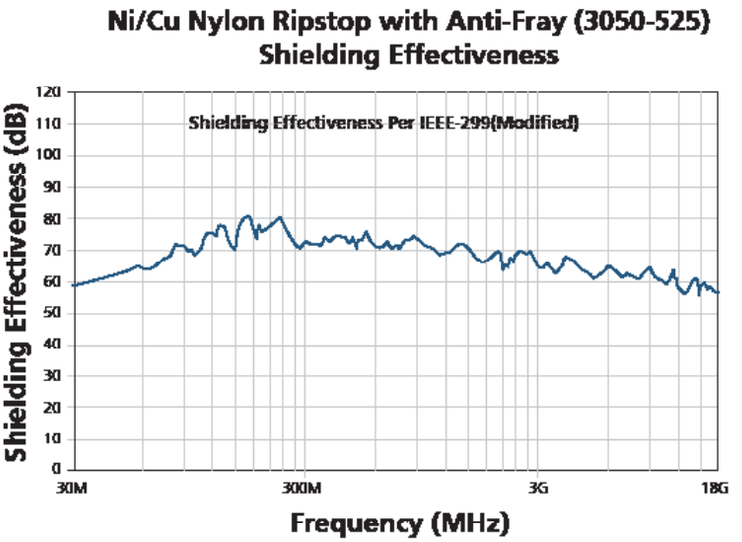
FEATURES RoHS

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of < 0.07 Ω/□ provides excellent conductivity
- Shielding effectiveness of >62 dB across a wide spectrum of frequencies

MARKETS

ecoGREEN™

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



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www.lairdtech.com

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PHYSICAL PROPERTIES

Item	Unit	Value	Advantage
Substrate		Nylon Ripstop	Strong, Flexible, Conformable
Metal		Ni/Cu	Corrosion Resistant, Highly Conductive
Total Weight	oz/yd² (g/m²)	2.1 – 2.7 (71 – 92)	Light Weight
Thickness, (nominal)	inches (microns)	0.005 (127)	Thin and Flexible
Metal Weight	oz/yd² (g/m²)	0.75 – 1.15 (25 -39)	Excellent Electrical Properties
Max Short Duration Temperature	°C	200	Allows Thermal Processing

ELECTRICAL PROPERTIES

Item	Unit	Value
Surface Resistivity (ASTM F390)	ohms/square	≤ 0.07
Far-field Shielding	effectiveness	(typical)
30 MHz to 300 MHz	dB	72 average
300 MHz to 3 GHz	dB	71 average
3 GHz to 18 GHz	dB	62 average

MECHANICAL PROPERTIES

Item	Unit	Value[fi]
Tensile Strength, CMD/MD[◊] (ASTM D5035)	lb/in	25/50
Elongation, MD (ASTM D5035)		30%

[fi] Typical values for greige fabric

[◊] Cross Machine Direction/Machine Direction

Values presented have been determined by standard test methods and are typical values not to be used for specification purposes.

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