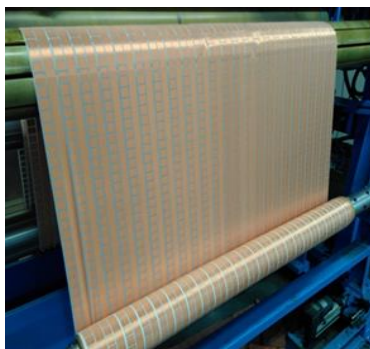
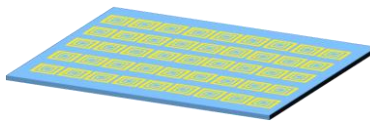
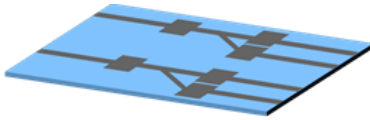


### Continuously Patterning



### Highly flexibility with excellent electrical conductivity

Laird's innovative selectively plating fabrics is the new technology for the Ni/Cu or Cu only metalized patterns plating of textiles. The selective patterns fabrics are offering highly flexibility with excellent electrical conductivity. This innovative technology shows highly efficient reel to reel plated rolls in continuous high volume production process both for customized continuously or isolation patterns with accurate trace widths.

#### FEATURES

- Fine pitch lines with crisp edges
- Extreme flexibility of form
- Highly durable to mechanical uses
- Low resistance copper plating
- Can be laminated with electrical, EMI and abrasion resistance layers
- Supplied with or without various adhesive options

#### APPLICATIONS

- Flexible circuits with low amperage for wearable devices
- Flexible signal level circuits that use conductive glues for components
- Flexible Printed Circuit alternative for signal only connection
- Sensors in smart clothing, medical automotive applications

### SPECIFICATIONS

ITEM	UNIT	VALUE
Substrate Thickness (Polyester)	millimeters	0.05 ±0.01
Metal	Ni/Cu or Cu only	
Minimum trace width/Gap	millimeters	2mm / 2mm
Trace Resistance*	Ohms / mm width	< 0.2 ohms for 10mm < 0.1 ohms for 20mm
Metal Adhesion**	Grade (up to 5)	≥4 Grade
Max Short Duration Temperature	°C	210

Remark:

\*Ni/Cu Trace, 4 points probe tester

\*\*ASTM D751

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EMI-SPEC-FOF-Selectively Plating Fabrics 092116

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