

LH-970

Conductive Fabric is made by metal such as copper and nickel plated on the surface of polyester fiber. Copper and nickel provides excellent electrical conductivity. It also features anti-oxidant and anti-corrosive properties. frequency within a range of 10MHz to 3GHz can get good shielding effectivity.

Features

- Excellent Conductivity in all axis
- Great for die-cut and automated applications
- Conformable to all-kinds of surfaces
- Excellent Shielding Effectiveness

Structure

Conductive Fabric
Conductive PSA
Liner film

Specifications

PROPERTIES	DATA	TEST METHOD
Color	Gray	Visual
Thickness of fabric, mm	0.085 ± 0.005	ASTM D1777
Total Thickness, mm	0.12 ± 0.02	ASTM D1000
Peel Adhesion, gf/inch	≥1500	PSTC-101
Shear Adhesion, Hour	≥ 72	PSTC-107
Surface Resistance, ohm/sq	≤ 0.05	MIL-DTL-83528
Contact Resistance(Z-axial), ohm	≤ 0.03	MIL-DTL-83528 modified
Operating Temperature, °C	-10 to 80	ASTM D1000
Shielding Effectiveness,dB	70~85	ASTM D4935

Total thickness is less than the sum of thickness of each layer, because conductive adhesive is permeated into the conductive fabric backing after lamination.

Storage

Storage Temperature: 18~26°C
 Storage Humidity: 40~60% RH
 Storage Validity: 6 Months

Regulation

RoHS Compliant & Halogen Free
 and PFAS-free

Disclaimer:

This information is furnished as a guide for selecting materials. LYE disclaims liability for results or use of this information. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.

