

LH-973

Conductive Fabric is made by metal such as copper and nickle plated on the surface of polyester fiber. Copper and nickel provides excellent electrical conductivity. It also features anti-oxidant and anti-corrosive properties. In 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
- Comformable 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	0.035 ± 0.005	ASTM D1777
Total Thickness, mm	0.05 ± 0.01	ASTM D1000
Peel Adhesion, gf/inch	≥ 800	PSTC-101
Shear Adhesion, Hour	≥ 24	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	75 to 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.

