

### LH-953

Conductive Polyester Fabric is made by metal such as copper and nickle coated on the surface of polyester fiber. copper and nickel provides excellent electrical conductivity. At the combined to same time, It also have anti-oxidant and anti-corrosive properties. In frequency within a range of 10MHz to 3GHz it exhibits good shielding effectivity.

## Features

- Excellent conductivity in all axis
- Great for die-cut and automated applications
- Great contact with all-kinds of surfaces
- Excellent shielding effectiveness

## Structure

|                         |
|-------------------------|
| Black Conductive Fabric |
| Conductive PSA          |
| Liner                   |

## Specifications

| PROPERTIES                       | DATA                     | TEST METHORD           |
|----------------------------------|--------------------------|------------------------|
| Color                            | Black                    | Visual                 |
| Fabric Structure                 | Taffeta                  | /                      |
| Fabric Thickness, mm             | 0.03± 0.01               | ASTM D 1777            |
| Plating                          | Ni +Cu+ Ni + Black Resin | /                      |
| Total Thickness, mm              | 0.05 ± 0.01              | ASTM D 1000            |
| Surface Resistance,ohm/sq        | ≤ 0.05                   | MIL-DTL-83528          |
| Vertical( Z-axis) Resistance,ohm | ≤ 0.01                   | MIL-DTL-83528 modified |
| Peel Adhesion,kgf/inch           | ≥ 1200                   | PSTC-101               |
| Shear Adhesion, Hours            | ≥ 72                     | PSTC-107               |
| Shielding Effectiveness, dB      | ≥ 68                     | ASTM D 4935            |
| Operating Temperature,°C         | -10 ~80                  | /                      |
| Shelf Life, Month                | 12                       | 10~25°C, 40%~60% R.H   |

## Regulation

RoHS Compliant & Halogen Free  
and PFAS-free

## Disclaimers

Many factors beyond Longyoung's control and uniquely within user's knowledge and control can affect the use and performance of a longyoung product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application.

