

### NI/CU POLYESTER CONDUCTIVE FABRIC TAPE

Laird Technologies' Conductive Fabric Tape 86785 is composed of metallized (nickel/copper) polyester based fabric and conductive pressure sensitive adhesive (PSA). The fabric layer offers excellent performance for EMI/RFI shielding and electrical conductivity while the adhesive layer makes it convenient to apply on most metal or plastic surfaces. The 86785 Conductive Fabric Tapes are offered in a roll or they can be customized to your application by die-cutting or hole punching to meet the requirements in grounding or EMI/RFI shielding application.

#### FEATURES

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of  $< 0.04 \Omega/\square$  provides excellent conductivity
- Shielding effectiveness of  $>75$  dB across a wide spectrum of frequencies

#### MARKETS

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

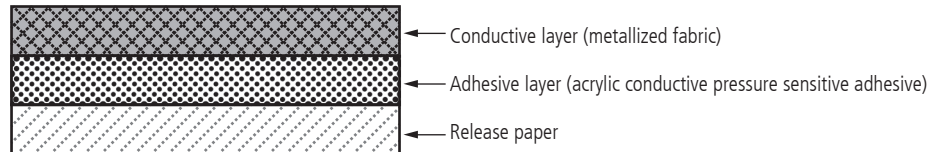


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Asia: +86.755.2714.1166

Item	Unit	Value	Test Method
Thickness	mm	0.12 ± 0.02	-
Peel Adhesion	Kgf / 25 mm	>1.1	PSTC 101*
Shear Adhesion			
	at R.T.	Hrs	>72 PSTC 107#
	at 80°C	Hrs	>5 PSTC 107#
Tensile Strength	Kgf / 25 mm	>12	
Operation Temperature	°C	0-80	
Surface Resistivity (Fabric Side)	Ω/□	<0.04	ASTM F390
Z-axial Resistance	Ω	<0.04	
Shielding Effectiveness*			ASTM D4935
	at 100 MHz	dB	75
	at 1GHz	dB	80
Package Dimensions	M	W: 5 mm to 1000 mm L: Standard Length of 20 M	
Shelf Life (Under 23°C/65% R.H.)		Six Months	

\*:Test Method A, dwell time 30 min. #:Contact area 25 mm by 25 mm +:Typical value

## COMPOSITION OF PRODUCT



## APPLICATION TECHNIQUES

1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and improves bond strength.
2. To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified.
3. The temperature of tape application is recommended 21°C to 38°C.

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