



## NI/CU POLYESTER CONDUCTIVE FABRIC TAPE

Laird's Conductive Fabric Tape 85785 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 grounding, while the adhesive layer makes it convenient to apply on most metal or plastic surfaces. This relatively stiff fabric tape is ideal for die cut and hole punched applications.

### 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

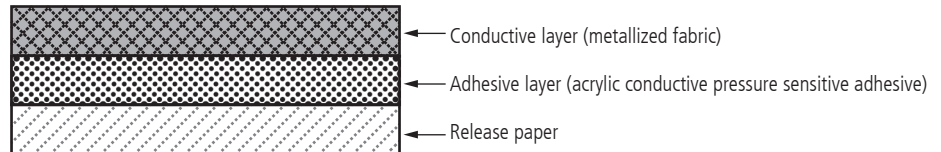


USA: +1.866.928.8181  
Europe: +49.0.8031.2460.0  
Asia: +86.755.2714.1166

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.)		One Year	

\*: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.
4. Not designed for cable wrapping or applications requiring high shear adhesion. Please contact your Laird Sales representative for a more suitable product.

EMI-DS-FOF-85785 051316

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2013 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.