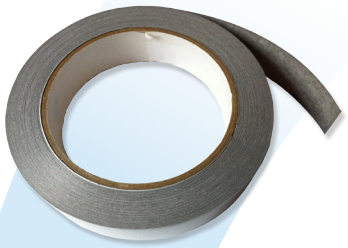
Laird™

Smart Technology. Delivered.

87580 Nickel/Copper Fabric Tape



UL510-FR RATED NI/CU CONDUCTIVE FABRIC TAPE

Laird Technologies' Conductive Fabric Tape 87580 offers exceptional conformability and conductivity for dynamic flex applications. It is constructed of nickel/copper metallized fabric with a conductive pressure sensitive adhesive (PSA). This reliable tape design provides outstanding shielding performance while offering superior abrasion and corrosion resistance under high dynamic flex conditions.

The 87580 Conductive Fabric Tape offers two colors and various thicknesses. All are RoHS compliant, halogen free and UL510-FR rated.

FEATURES RoHS

- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Low surface resistivity of < 0.04 Ω/□ (gray) or < 0.06 Ω/□ (black) provides excellent conductivity
- Shielding effectiveness of 75 dB across a wide spectrum of frequencies

MARKETS

ecoGREEN™

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

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www.lairdtech.com

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Item	Unit	Value				Test Method
		87580-STD	87580-285	87580-751	87580-250	
Thickness	mm	0.13 ± 0.02	0.125 ± 0.02	0.085 ± 0.015	0.080 ± 0.015	-
Color	-	Gray	Black	Gray	Black	-
Peel Adhesion	Kgf / 25 mm	>0.8	>0.8	>0.8	>0.8	PSTC 101*
Shear Adhesion at R.T.	Hrs	>168	>168	>72	>72	PSTC 107#
Shear Adhesion at 80°C	Hrs	>5	>5	>3	>3	PSTC 107#
Flammability	-	Pass	Pass	Pass	Pass	UL510-FR UL No.E239083
Operation Temperature	°C	-10~80	-10~80	-10~80	-10~80	
Max Temperature (Short Term)	°C	120	120	120	120	
Surface Resistivity (Fabric Side)	Ω/□	<0.03	<0.06	<0.04	<0.06	ASTM F390
Z-axial Resistance	Ω	<0.04	<0.04	<0.04	<0.04	
Shielding Effectiveness+						ASTM D4935
at 100 MHz	dB	75	75	70	70	
at 1GHz	dB	77	77	75	75	
Package Dimensions	M	W: Dimension by Customer Spec 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