



"If you can imagine it, Nadco will make it stick."

1691

US Foils, Inc. CEC1 - FTP Conductive Copper Tape provides excellent performance in grounding and EMI/RFI shielding applications and consists of a 1 ounce, deadsoft, 110 electrolytic tough pitch copper that is 99.9% pure. Backed by a 2 Mil acrylic transfer adhesive which is also electrically conductive, this product is designed for laminating to a variety of surfaces including metal substrates, painted surfaces, and various plastic films. The adhesive features good chemical resistance, moderate tack, and high shear strength.

Additional features include excellent Z direction conductivity, and a 76# moisture resistant polycoated release liner.

Surfaces to which this tape is applied should be clean, dry, dust-free, and have no oily or other residues.

Typical Metal Performance Data:

Copper Thickness	1.4 Mils (.0014")
Copper - Tensile Strength	26-38 Ksi

TYPICAL SHIELDING ATTENUATION PERFORMANCE	
Frequency	Attenuation (dB)
200 KHz Magnetic Field	40
200 KHZ, Electrical Field	100
1 MHz, Electrical Field	100
10 MHz, Electrical Field	100
400 MHz, Plane Wave	80
10 GHz Plane Wave	80

Flame Retardancy (ASTM E84-04)
 Surface Burning Characteristics

Pass



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Typical Adhesive Performance Data:

Adhesive Thickness	2 Mils	
Peel Adhesion (PSTC - 101/180°)	<u>Oz./Inch</u>	<u>N/25mm</u>
Initial to SS (20 min dwell)	47	13.2
Holding Power (PSTC 107 Mod./178°)		
2.2 psi (1"x1"x1000g)	>600 min.	
Resistivity (WIN TM 070)	5m Ω	
Minimum Application Temperature	50 Degrees F	
No Load Applied, Service Temperature Range	-40 to 250 Degrees F	