

Z-3250 Shielding Fabric

Lightweight and flexible with
great shielding performance

Easy Installation

Electrically conductive adhesive
backing with release liner

Versatility

Excellent EMI shielding for cable splices,
breakouts, and transitions

Z-3250-Tape EMI Shielding Tape

A lightweight EMI shielding tape that is flexible, durable and corrosion resistant for a variety of applications.

Drawing Number(s): ZT93-03-003

Selected Part Number: ZT93-03-003-1.0

Extremely thin, flexible and lightweight
Shield coverage > 98%

 **Z-3250-TAPE™**



FEATURES

- Easy installation with no tools required
- Standard sizes offered, as well as custom widths available upon request
- Operational temperature of 158°F (70°C)

BENEFITS

- Offers exceptional EMI, RFI and EMF protection
- Conductive adhesive creates an electrical shielding enclosure around wires and cables
- Corrosion-resistant coating allows for use on applications in a variety of environments

WARNING: Cancer and Reproductive Harm | www.P65Warnings.ca.gov

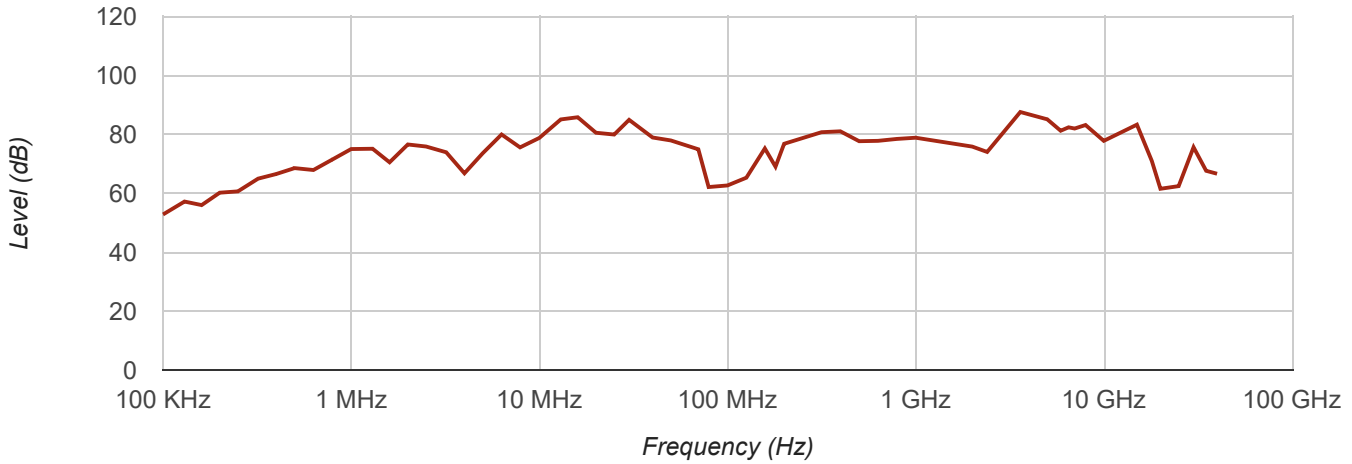
Z-3250-Tape EMI Shielding Tape

Specifications subject to change without notice. All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy or completeness is not guaranteed under all circumstances. Before using Zippertubing® products, the user shall determine suitability for the intended use, and user assumes all responsibility for improper selection. Published attenuation values of Zippertubing® shielding have been verified by laboratory testing of the respective shielding materials. Actual installed attenuation values may differ due to installation techniques and final assembly operation parameters which are beyond the control of Zippertubing®. Actual attenuation values can only be determined by the end user testing the completed assembly. U.S. and International Patents and patents pending. © 20262026 The Zippertubing® Company, Chandler, Arizona.

Overall Performance

Closure:	Tape (Electrically Conductive)	Shielding:	Z-3250
Thickness:	0.006"	Shielding Material:	Nickel Plated Copper
Maximum Operating Temperature:	158°F (70°C)	Width:	1.0" Wide
RoHS:	RoHS-10	Weight :	1.3 g/ft
Shelf-Life:	12 months		

SHIELDING EFFECTIVENESS - Z-3250



ATTENUATION DATA WAS OBTAINED USING MIL-DTL-83528H (MODIFIED). TESTING WAS PERFORMED BY ACCREDITED, THIRD-PARTY EMI LABORATORIES.

Z-3250-Tape EMI Shielding Tape

MATERIAL SPECIFICATIONS

Tape (Electrically Conductive)

Fill:	Silver coated Nickel
Current Capacity:	1 Amp/sq-in
A/C Impedence:	.044 ohms (500 Hz - 100 KHz)
Release Liner:	0.004" Polycoated Paper Liner
Material:	Acrylic
Color:	Translucent
Thickness:	0.002"
Maximum Operating Temperature:	158°F (70°C)
RoHS:	RoHS-10
Shelf Life:	12 months, unbonded
Adhesion:	32 Oz/in (to steel 24 hours)
Outgassing (%TML):	0.7 (PER NASA SP-R-0022 OR ASTM E595) %
Outgassing (%CVCM):	0.01 (PER NASA SP-R-0022 OR ASTM E595) %
Thermal Conductivity:	0.16-0.20 W/mK
Insulation Resistance:	3.4*10 ¹⁴ ohms/square
Contact Resistance:	<0.3 ohms

Z-3250

Denier:	70
Base Fabric:	Polyester Taffeta
Surface Resistivity:	< 0.1 ohms/sq
Coating:	Nickel over Copper (0.6 - 1.05 oz/yd ²)
REACH:	Compliant
Elongation:	27%
Material:	Cloth
Thickness:	0.0035" - 0.0045"
Maximum Operating Temperature:	250°F (121°C)
Minimum Operating Temperature:	-40°F (-40°C)
RoHS:	RoHS-10
Shelf Life:	60 Months
Shielding:	Z-3250
Tensile Strength:	74-79 lbs/in
Outgassing (%TML):	0.21%
Outgassing (%CVCM):	0%
Outgassing (%WVR):	0.16%
Weave:	Plain
Shielding Effectiveness:	65 db min. (10 MHz - 10 GHz)
Flexibility:	Best