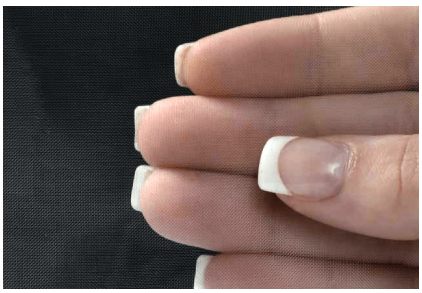
8900 - Conductive mesh

Conductive mesh is a coated Nickel and Copper over Polyester Fabrics. The base layer is the highly conductive copper, with an outer layer of nickel for corrosion resistance. Nickel/Copper coated Polyester Fabrics offer excellent surface conductivity, shielding effectiveness, and corrosion resistance for a variety of application. Conductive mesh is recommended to obtain high EMI shielding at frequency range from 500KHz to 10GHz.



Conductive mesh is coated Nickel and Copper over Polyester Fabrics

Conductive mesh can be used to create windows in for example a Faraday tent

Features

- Optical grade, precision stainless steel mesh.
- Extremely delicate, lightweight and flexible
- Used for EMI / RFI shielded windows
- Used to make windows in Faraday tents
- DFAR Compliant
- 80 to 130 OPI
- At the extreme limits of the worlds wire weaving abilities.
- Used in outer space probes and major physics laboratories

Applications

- Electric Magnetic Field shielding

Characteristics

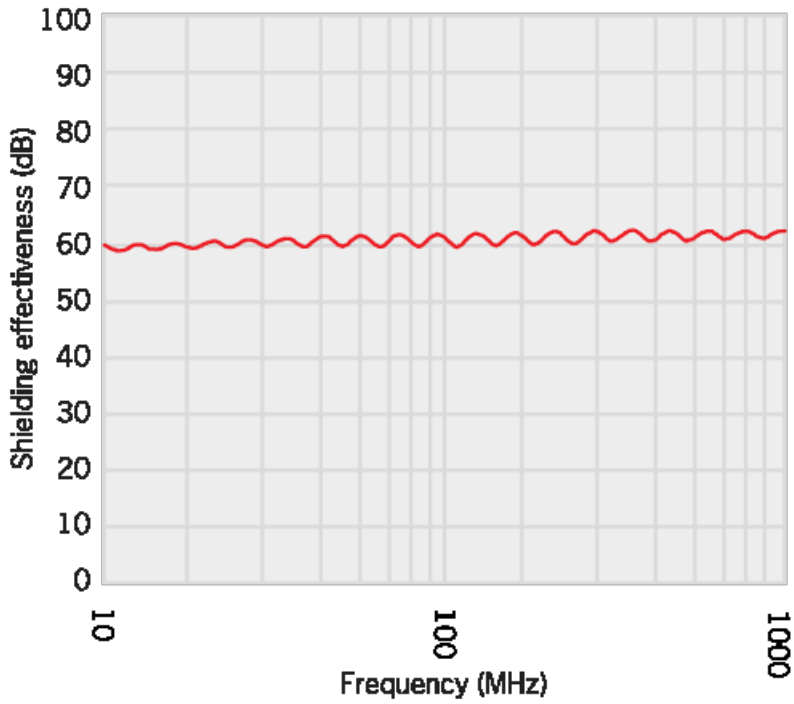
Item	Unit	Spec.	Reference
Roll width	mm	1000	
Roll length		30 meters	
Mesh/OPI		80 - 130	
Conductive mesh Thickness	mm	0.0850.01	
Surface Resistivit	/sqaure	Less than 0.13	MIL -G-83528
Shielding Effectiveness	db	min. 60	ASTM D 4935 Method
Mesh Count	Inch	130	#130

RoHS Halogen free

Item	Unit	Result
Pb	ppm	N.D.
Cd	ppm	N.D.
Hg	ppm	N.D.
Cr+6	ppm	N.D.
Br	ppm	N.D.
C	ppm	N.D.

Shielding effectivenes (dB)

8900 - Conductive mesh



Shielding effectiveness of 8900 series conductive mesh

Part numbers

8901 : Conductive mesh with flash nickel (black)
8902 : Conductive mesh with flash nickel
8903 : Conductive mesh stainless steal

Series	Width (mm)	Length (mm)
Select an option:	Specifiy the width of the sheet in mm	Specifiy the length of the sheet in mm
8901 : Conductive mesh with flash nickel (black)		
8902 : Conductive mesh with flash nickel		
8903 : Conductive mesh stainless steel		