

# CONDUCTIVE MESH 8900

Conductive mesh is made of polyester coated with nickel and copper. It offers excellent surface conductivity, shielding effectiveness, and corrosion resistance for a variety of applications.

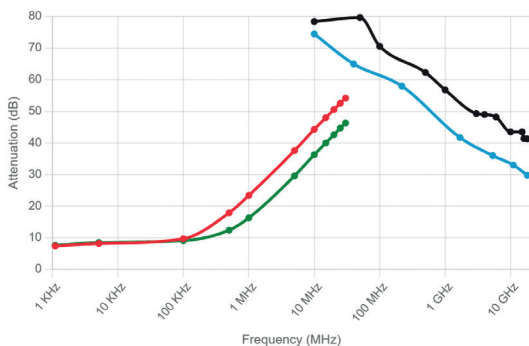


Conductive mesh is made of polyester coated with nickel and copper. The base layer is copper, which is highly conductive, and the outer layer is nickel for corrosion resistance. Nickel/copper coated polyester fabric offers excellent surface conductivity, shielding effectiveness, and corrosion resistance for a variety of applications. Conductive mesh is recommended to obtain high EMI shielding at a frequency range of 500 kHz to 10 GHz.

## Characteristics

Item	Unit	Spec.	Reference
Roll width	mm	1000	
Roll length		30 meters	
Mesh/OPI		80 - 130	
Mesh total thickness (mm)	mm	0.085 ± 0.01	
Surface resistivity	Ω/square	< 0.13	MIL-G-83528
Mesh count	Inch	130	130

## Shielding effectiveness (dB)



- 8901/8902 - Conductive mesh with flash nickel 130 OPI Magnetic
- 8901/8902 - Conductive mesh with flash nickel 130 OPI electric - Plane wave
- 8903 : Conductive mesh stainless steel 100 OPI magnetic
- 8903 : Conductive mesh stainless steel 100 OPI electric + planewave

## Features

- Extremely delicate, lightweight and flexible
- Used for EMI/RFI-shielded windows
- Used to make windows in a Faraday tent
- DFAR compliant
- 80 to 130 OPI
- Used in outer-space probes and leading physics laboratories

## Applications

- Electric-magnetic field shielding

## Technical details

Material	8901	8902	8903
wires/inch (OPI)	130	130	100
Mesh total thickness (mm)	0.085 ± 0.01	0.085 ± 0.01	0.050 ± 0.01
Nominal Aperture (mm)	0.110	0.110	0.204
Light Transmission %	64.5	64.5	64.5

## ORDER EXAMPLE

Part number	Width (mm)	Length (mm)
<b>8901</b> : Conductive mesh with flash nickel (black)	Specify the width of the sheet in mm	Specify the length of the sheet in mm
<b>8902</b> : Conductive mesh with flash nickel		
<b>8903</b> : Conductive mesh stainless steel		

### \*Notice

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