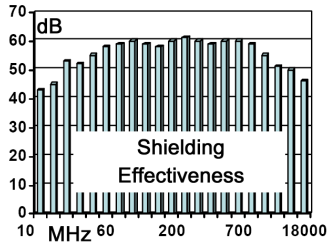
High Performance Silver Mesh Fabric

"Protection By The Square Yard"

Stretchy silver coated sheer nylon weave. Will shield low intensity radiofrequency and microwaves (with a shielding effectiveness of >50 dB from 30 MHz - 3 GHz), and is an excellent E-field shield when grounded. Create your own designs. Many uses! Sandwich it between your bed sheets, cover your microwave oven, computer monitor, stereo, light cords, circuit box, vacuum cleaner, make a hat, lampshade, window drapes.



High Performance Silver Mesh Fabric:
58±2" width (Cat. #1222) by the lin. foot

* Based on MIL- Std 285 tests on fabric as woven. Actual results may vary depending on shield design. Material suitability for any given application is the responsibility of the end user.

Base Fabric:	knit nylon
Yarn, trilobal nylon:	Pa6 - 20Fl denier
Substrate:	nylon
Weight:	40g/m²
Temp Range:	-30° to 90°C
Metal Coating:	Silver
Metal Purity:	>99%
Electrical Resistance	<0.5 Ω/☐
Shielding Effectiveness 30MHz-3GHz:*	>50 dB

The fabric is highly conductive. DO NOT allow the fabric to come in contact with electric wires, outlets or switches. Cover nearby outlets with child safety caps. Does not contain flame retardant, use caution around open flames and heat sources.

Washing Instructions:

1) Softly wash by hand, with neutral detergent such as TexCare (Don't use any strongly alkaline detergent).**
2) Water temperature below 40˚C.
3) No bleach, do not use detergent with bleach ingredients.
4) Hang dry. Do not wring, do not hang in blazing sun for a long time, and pick up promptly from the water to dry.
5) Do not dry clean.

** Poor water quality will damage Silver. In particular Sulphur, high Fluoride, and low pH will react strongly with Silver and destroy conductivity and shielding performance.

Test your tap water on a small fabric swatch before washing your fabric or garment:
1- soak a small fabric swatch in tap water for 1 hour.
2- look for color change in the water or swatch, especially blackening.
3- air dry the swatch and check for conductivity (by touching an Ohm meter to 2 points on the fabric)

If color change or loss of conductivity occurs, DO NOT use tap water to wash/rinse your fabric, use distilled or deionized, reverse osmosis water.