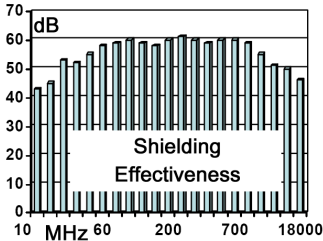


# High Performance Silver Mesh Fabric

*"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/m <sup>2</sup>
Temp Range:	-30° to 90°C
Metal Coating:	Silver
Metal Purity:	>99%
Electrical Resistance	<0.5 Ω/□
Shielding Effectiveness 30MHz-3GHz:*	>50 dB

Fabric will conduct electricity. Keep away from electrical sockets and bare wires.

## **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.

Washing will eventually degrade Silver coating and shielding performance. Discoloration over time is normal