

Swiss Shield Wear

>> Radio Frequency / Microwave Shielding Fabric <<



Swiss Shield Wear is a wearable tight weave cotton shielding fabric with a pleasant look and feel

- Premium quality cotton fabric with a high thread count
- Durable Natural Cotton Fabric with good RF shielding characteristics
- Applications include clothing, bedding, sleeping bags and more
- More durable than Swiss Shield Naturell for clothing
- Withstands up to 30 washes with no loss of performance
- Can be dyed with ordinary cotton dyes

Swiss Shield Fabrics: Top quality, ecological, skin friendly fabrics for radio frequency "RF" shielding (cell phones/cell phone towers, cordless telephones, wireless routers, digital television "DTV" transmission towers, microwave ovens, smart meters, bluetooth devices, baby monitors, laptop computers, wireless security systems, radar, tablets etc...)

- Contains very thin (0.02mm) moisture protected, silver coated copper threads spun with cotton or polyester yarns, woven into washable, comfortable fabrics with a normal look and feel
- EKEO-TEX 100 Certified – Contains no harmful substances, no flame retardants, no chemicals
- Independently tested for RF shielding Performance - MIL-STD 285 and IEEE Standard 299-1997

Technical Data

Width/Length	(Width = 150 cm or 59 inches / 4 feet 11 inches) (Length: per foot or meter)
Dimensional Stability	3%
Color	White
Weight	115 g/m ²
Characteristics	Washable, colourfast, antistatic
Certificates	Öko-Tex 100 Class 1 (Gentle enough for babys undergarments)
Raw Materials	90% cotton, 9.5% copper, 0.5 % silver
Surface Conductivity	Not externally conductive - Grounding not required



Machine washable (gentle cycle) with cold water.



Iron without steam at degree 1.



No bleaching.



No chemical dry-cleaning.

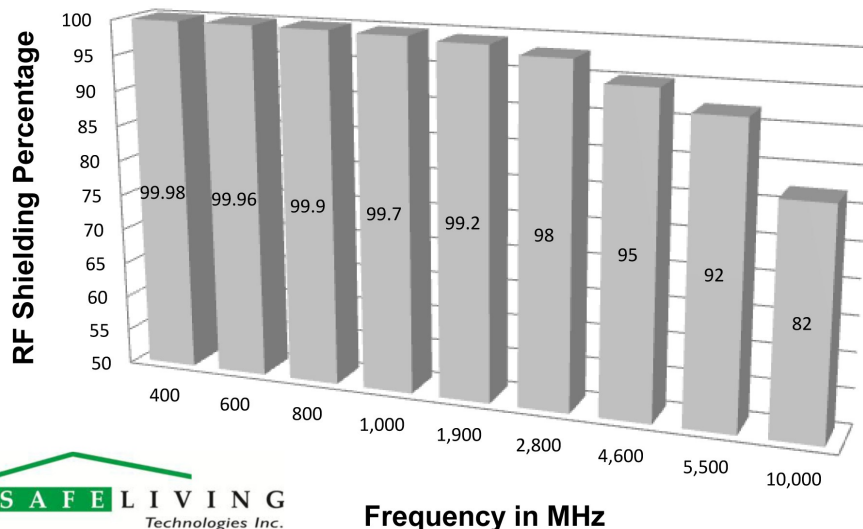


Hang Dry



Do Not Tumble Dry

Shielding Effectiveness: Swiss Shield Wear



dB Shielding Table

10dB = 90%
15dB = 97%
20dB = 99%
25dB = 99.7%
30dB = 99.9%
35dB = 99.97%
40dB = 99.99%
45dB = 99.997%
50dB = 99.999%
55dB = 99.9997%

RF Sources

Baby Monitor	1900 MHz
Bluetooth	2400 MHz
Cellular	900-2600 MHz
DECT Phone	1900 MHz
FM Radio	88-108 MHz
Microwave Oven	2450 MHz
Smart Meter	900 MHz
TV Towers DTV	54-698 MHz
WiFi Router	2400-5100 MHz
WiMax	3500 MHz