



Swiss Shield Naturell >> Radio Frequency / Microwave Shielding Fabric <<



Swiss Shield Naturell is a premium, decorative, tight weave natural cotton shielding fabric

- Semi-transparent textile fabric with excellent RF shielding characteristics
- Higher shielding power than Daylite or Wear
- Applications include window curtains and liners, canopies, room dividers and may be used for shielding large surfaces such as complete walls
- Withstands up to 30 washes with no loss of performance
- Washable, easy to iron, cut and sew

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, polyester, or lyocell yarns, woven into washable, comfortable fabrics with a normal look and feel
- OEKO-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 = 250 cm or 98 inches / 8 feet 2 inches) (Length: per foot or meter)
Dimensional Stability	3%
Color	Ecru - Slightly off white, unbleached
Weight	69 g/m ²
Characteristics	Washable, colourfast, antistatic
Certificates	Öeko-Tex 100 Class 1 (Gentle enough for baby's undergarments)
Raw Materials	82% cotton, 17% copper, 1% silver
Surface Conductivity	Not externally conductive - Grounding not required



Swiss Shield Naturell RF Shielding Performance

RF Sources

Baby Monitor	49, 902, 2400 MHz
Bluetooth	2400 MHz
Cellular	700 - 2600 MHz
5G Low-Mid, High Band	600 - 6000 MHz, 24000 MHz+
DECT Phone	1900 MHz
FM Radio	88 - 108 MHz
Microwave Oven	2450 MHz
Smart Meter	900, 2400 MHz
TV Towers DTV	54 - 698 MHz
WiFi Router	2400, 5000, 6000 MHz
WiMax	3500 MHz

