



## Swiss Shield Max-Wear >> Radio Frequency / Microwave Shielding Fabric



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

- 3 Times the number of Silver Threads compared to Swiss Shield Wear
- 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
- Withstands up to 30 washes with no loss of performance
- Can be dyed with ordinary cotton dyes
- Washable, easy to iron, easy to 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

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



### Swiss Shield Max-Wear 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

