

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



- Swiss Shield Naturell Ultra** is a premium externally conductive cotton fabric
- Semi-transparent (Gray) textile fabric with excellent RF shielding characteristics
 - Can be grounded to reduce low frequency electric fields
 - Higher shielding power than Naturell, Daylite, and Wear
 - Applications include window curtains and liners, canopies, room dividers and may be used for shielding large surfaces such as complete walls
 - Machine washable 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 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	250 cm (98.4 inches) +/- 1 inch / by the meter or foot
Color	Sheer, Light Gray
Characteristics	Washable, colourfast
Care:	Hand wash in cold water, hang to dry
Certificates	MIL-STD 285, NSA 65-6, Öko-Tex Standard 100+1000
Raw Materials	81% cotton, 17% copper, 1% silver, 1% carbon
Shielding Characteristics:	99.99% or 40 dB at 1000 MHz
Surface Conductivity	Electrically conductive – can be grounded



Machine washable (gentle cycle) with cold water.



Iron without steam at degree 1.



No bleaching.



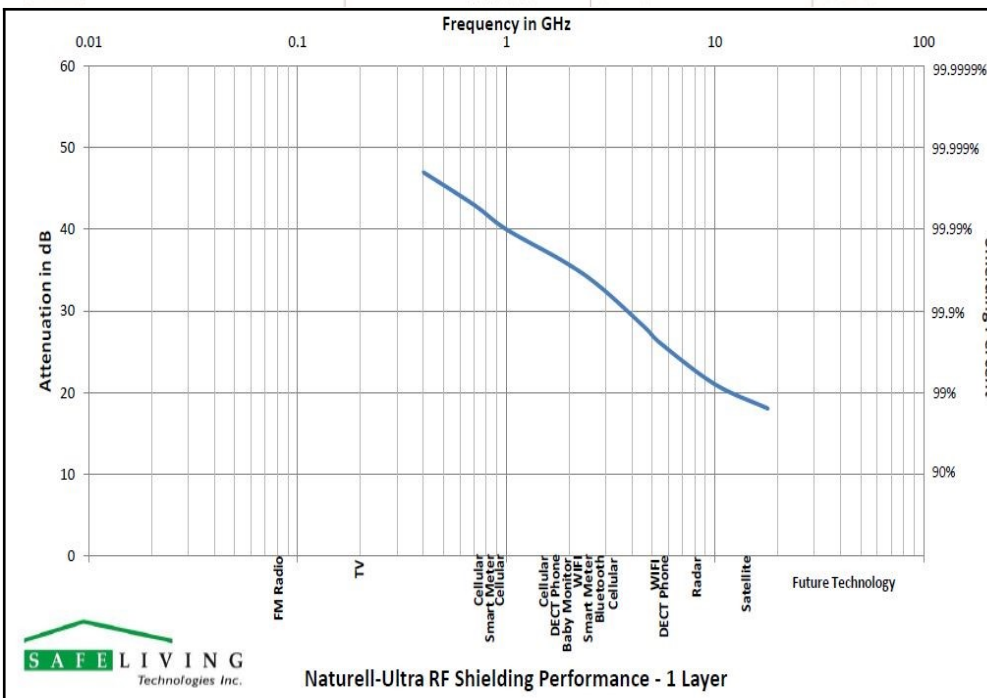
No chemical dry-cleaning.



Hang Dry



Do Not Tumble Dry



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	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