

## Shielding fabric

OUR STAINLESS-STEEL FABRIC CAN BE USED AS AN INTERNAL/EXTERNAL CURTAIN OR FOR MAKING BAGS, CLOTHES, PHONE HOLDERS, ETC.

CHEAP, DURABLE, UP TO 60°C WASHABLE. LIGHT GREY/GRAY.

ATTENUATION 42 DB. WIDTH 150 CM.

### Properties

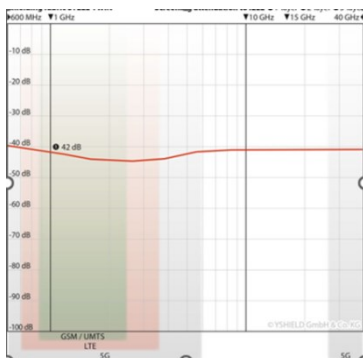
- This is a condensed cotton/stainless steel fabric designed to shield against high-frequency (HF) radiation. It is commonly used as a curtain for protection or many other kinds of uses.
- Notably, the unique characteristic of this fabric is its dual-sided composition. The front side features white cotton, while the backside is densely woven with a stainless-steel thread. Despite the high level of attenuation provided by the gray stainless-steel threads on the backside, the fabric maintains a light gray appearance on the front side.
- Impressive screening attenuation, even at high frequencies
- Excellent cost-performance ratio
- The fabric is designed to be contactable (groundable), allowing it to effectively shield against low-frequency (LF) electric fields.
- Textile characteristics: Easy to wash and iron

### Technical data

- Attenuation: 42 dB, two-layer 55 dB
- Color: Frontside light gray, backside silver
- Raw materials: 68 % cotton, 16 % polyester, 16 % stainless steel
- Weight: 190 g/m<sup>2</sup>
- Dimension stability: +/- 3 %
- Surface conductivity: 100-800 ohm / inch (2.54 cm)

### Care instructions

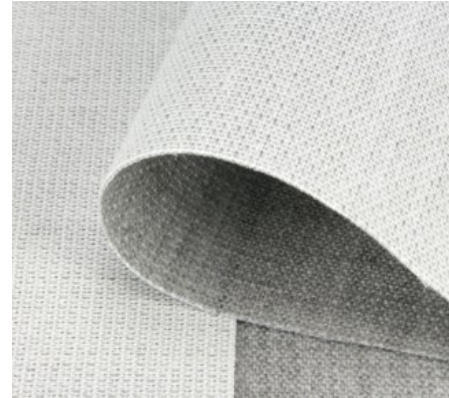
- Washing up to 60°C
- Iron without steam at lowest degree
- Drying at low temperature
- No bleaching
- No chemical dry cleaning
- Wash only with our special washing detergent
- without enzymes or bleaching agents



These products are designed to shield against **all 5G frequencies**. In the shielding diagrams, you will find two gray bars representing the 5G frequency spectrums:

FR1 (600 MHz – 6 GHz) and

FR2 (24 GHz – 40 GHz).



### Grounding

To ensure the effective functionality of this product with an electrically conductive surface, it must be integrated into the *functional equipotential bonding (FEB) system*. For suitable grounding accessories, please refer to the "Grounding" section.

### Shielding attenuation HF & LF

This product provides shielding against high-frequency electromagnetic fields (HF). The indicated dB-values are based on measurements at 1 GHz, unless stated otherwise. The product's shielding effectiveness is tested in the frequency range from 600 MHz to 40 GHz, following standards ASTM D4935-10 or IEEE Std 299-2006.

Additionally, the product's electrically conductive surface allows it to shield low-frequency alternating electric fields (LF).



*LET'S LOVE OURSELVES,  
BE PROTECTED*