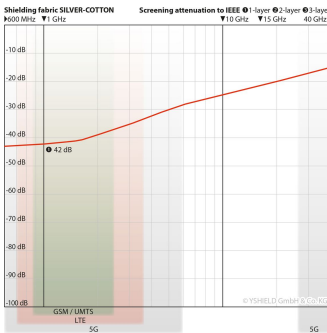
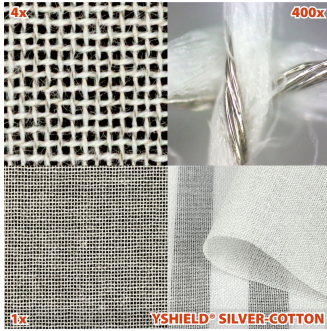


# YSHIELD® SILVER-COTTON | Shielding fabric | Width 250 cm | 1 meter

Semitransparent cotton fabric as curtain or for canopies. Great haptics at an outstanding price/performance ratio. Groundable. Gray/Beige. 42 dB. Width 250 cm.



YSHIELD GmbH & Co. KG  
94099 Ruhstorf, Germany  
[www.yshield.com](http://www.yshield.com)  
[info@yshield.de](mailto:info@yshield.de)

## Properties

SILVER-COTTON is a **semi-transparent cotton fabric with a high silver thread content** for the protection against high-frequency (HF) and low-frequency radiation (LF). Typical application as **curtain**, as **room divider** in laboratories, medical practices, etc. and because its groundable to sew a **bed canopy**.

**Special features:** With 42 dB attenuation this fabric has an outstanding price/performance ratio.

- High transparency at very high screening attenuation
- **Contactable (groundable) to shield LF electric fields**
- Textile characteristics: Washable, easy to process.
- Quality grade: High

## Silver products

- Silver fabrics have a **limited durability**, depending on the frequency of movement.
- Our silver fabrics do **not contain any nano silver**, but a thick metallic silver coating.

## Technical data

- **Width: 250 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 42 dB**
- Color: Gray/Beige
- Raw materials: 82 % cotton, 14 % nylon, 4 % silver
- Weight: 67 g/m<sup>2</sup>
- Dimension stability: +/- 1 %
- Surface conductivity: 6 ohm / inch (2.54 cm)

## Care instructions

- **Gentle cycle at 30°C**
- **Iron without steam at degree 1**
- No drying in tumble dryers
- No bleaching
- No chemical dry-cleaning
- Wash only with our special washing detergent TEXCARE, without enzymes or bleaching agents

## Grounding

This product with an electrically conductive surface **has to be integrated into the functional-equipotential bonding (FEB)**. Please find suitable grounding accessories under "Grounding".

## Shielding attenuation HF & LF

This product **shields high frequency electromagnetic fields (HF)**. Unless otherwise stated, the indicated dB-values apply to 1 GHz. Measurement from 600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006.

This product with an electrically conductive surface **shields low-frequency alternating electric fields (LF)**.

## Laboratory & expert report of shielding attenuation up to 40 GHz

We have already invested in our **own professional EMV laboratory** years ago. We not only use it to create our laboratory screening reports but also to check each batch daily. Additionally, we have all our products checked by an **independent, well-respected expert**. Double checked for twice the safety. **Please find the reports above at the downloads.**

## Ready for 5G

Some companies offer "special" 5G-products. **This products shields all 5G-frequencies, even without advertising this!** Find two gray bars in all shielding diagrams with the 5G frequency spectrums FR1 (600 MHz – 6GHz) and FR2 (24 GHz – 40 GHz).