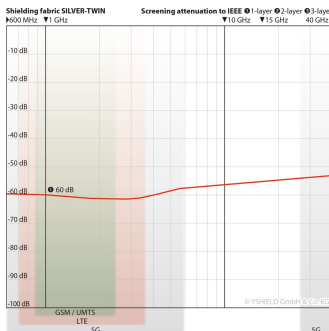
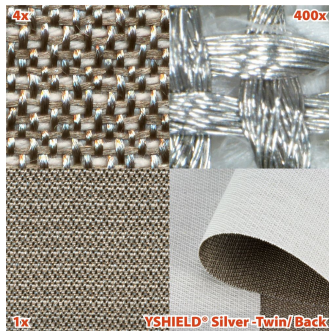


YSHIELD® SILVER-TWIN | Shielding fabric | Width 150 cm | 1 meter

Opaque cotton-/silver fabric as curtain, for handy bags, clothing, etc. Very high attenuation. Light grey/silver. 60 dB. Width 150 cm.



Properties

SILVER-TWIN is a **compact cotton/silver fabric** for the protection against high-frequency (HF) radiation. Typical application as **curtain**, to sew clothes, handy bags, etc..

Special feature: The frontside is made of white cotton, while the backside is densely woven with a silver thread. Despite the extremely high attenuation due to the dark silver threads on the backside, this fabric has a light gray frontside!

- **Maximum high screening attenuation, even at very high frequencies!**
- Excellent cost/performance ratio
- **Contactable (groundable) to shield LF electric fields**
- Textile characteristics: Washable, easy to iron and process
- Quality grade: Very high

Silver products

- Silver products **discolour** with time and often already have discolorations right from the start. If you don't want to accept discolorations, please choose Swiss-Shield® fabrics.
- 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: 150 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 60 dB**
- Color: Frontside light gray, backside silver. Attention: Due to silver oxidation the front side can have very slight discoloration, this is no quality defect!
- Raw materials: 50 % cotton, 35 % polyester, 15 % silver
- Weight: 150 g/m²
- Dimension stability: +/- 3 %
- Surface conductivity: 0.25 ohm / inch (2.54 cm)

Care instructions

- **Gentle cycle at 30°C**
- 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).