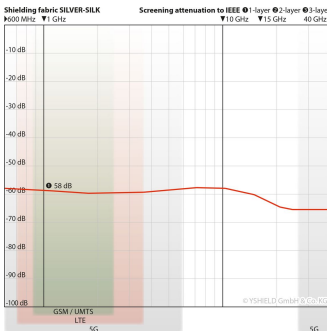
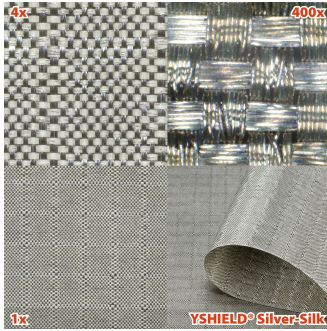
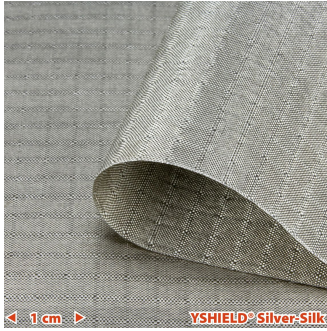


# YSHIELD® SILVER-SILK | Shielding fabric | Width 130 cm | 1 meter

Opaque fully silvered nylon mesh for handy bags and technical applications. Very high attenuation. Silver. 58 dB. Width 130 cm.



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## Properties

SILVER-SILK is a **silvered parachute silk / nylon fabric** for the protection against high-frequency (HF) and low-frequency radiation (LF). Typical application **preferable in technical applications** to shield **cables, handy bags, room divider**, etc.. Due to the good washability even sewable in the **inside of articles of clothing**.

- Very high screening attenuation
- Antiseptic due to the full silver plating
- **Contactable (groundable) to shield LF electric fields**
- Textile similar characteristics: Washable, easy to process. Exception: Do not iron.
- Quality grade: 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: 130 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 58 dB**
- Color: Silver
- Raw materials: 80 % nylon, 20 % silver
- Weight: 45 g/m<sup>2</sup>
- Surface conductivity: 0.2 ohm / inch (2.54 cm)

## Care instructions

- **Gentle cycle at 30°C**
- No ironing
- 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).