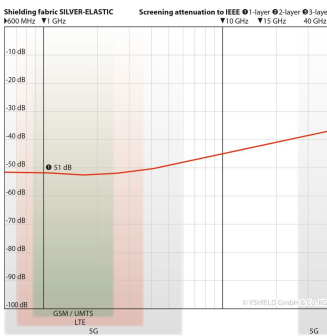
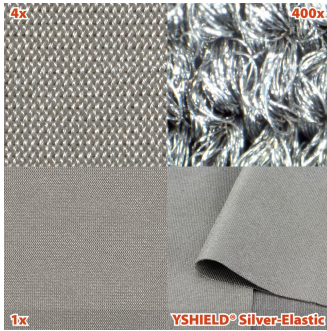


# YSHIELD® SILVER-ELASTIC | Shielding fabric | Width 150 cm | 1 meter

Strechable fully silvered spandex fabric for sewing clothes. Pleasant feeling to the skin. Silver. 51 dB. Width 150 cm.



## Properties

SILVER-ELASTIC is a **compact, full silvered spandex fabric** for HF+LF shielding. Typical application to sew **articles of clothing**. Due to the high elasticity perfect as **close-fitting laundry**. **Actually our best apparel fabric.**

Special feature: This fabric is elastic, to sew articles of clothing, please consider the shrink and extensibility rates at the „Technical data“.

- **High screening attenuation, especially at high frequencies!**
- Contactable (groundable) to shield LF electric fields
- Textile similar characteristics: Washable, easy to process. Exception: Do not iron.
- 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**
- Length: Available by the meter
- **Shrink** after first wash: 0 % width, 0 % length
- **Extensibility:** 50 % width, 80 % length
- **Attenuation: 51 dB**
- Color: Silver
- Raw materials: 80 % spandex, 20 % silver
- Weight: 130 g/m<sup>2</sup>
- Surface conductivity: 0.5 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).