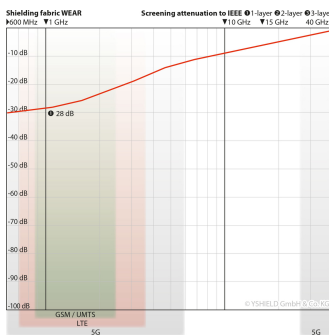


# Swiss-Shield® WEAR™ | Shielding fabric | Width 150 cm | 1 meter

From Swiss Shield®. Semitransparent cotton fabric for sewing clothes. Pleasant feeling to the skin. White. 28 dB. Width 150 cm.



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## Properties

WEAR™ from Swiss-Shield® is a **compact cotton fabric** for the shielding of high-frequency electromagnetic fields (HF). **Typical application for sewing all articles of clothing**. Not electrically conductive.

- Good haptics and pleasant skin feel
- Textile characteristics: Washable, easy to iron and process
- Quality grade: Very high

## OEKO-TEX® STANDARD 100

If a textile article carries the **OEKO-TEX® STANDARD 100** label, you can **be certain that the article therefore is harmless for human health**. In many cases the limit values for the STANDARD 100 go beyond national and international requirements. The criteria catalog is updated at least once a year and expanded with new scientific knowledge or statutory requirements. **ZHY0070054 OEKO-TEX® Label Check**

## Swiss Shield® Shielding fabrics

This fabric is manufactured by Swiss Shield® in Switzerland with a patented, **invisible high-tech yarn**. At YSHIELD we value the constantly high quality of the fabrics - it's not for nothing that we are the world's largest Swiss Shield® distributor.

## Technical data

- **Width: 150 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 28 dB**
- Color: White
- Raw materials: 90 % cotton, 9.5 % copper, 0.5 % silver
- Weight: 70 g/m<sup>2</sup>
- Dimension stability: +/- 3 %

## Care instructions

- **Gentle cycle at 30°C**
- **Iron without steam at degree 1**
- **Drying at low temperature**
- 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 isolated surface **cannot be contacted or grounded**.

## 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 contains electrically conductive parts on the inside which can neither be contacted nor grounded. That's why individual areas **do not shield low frequency electrical fields (LF)**. In case this product is used as a Faraday cage (complete shielding on six sides), there will be no low frequency electrical fields (LF) on the inside, which can be proven with a potential free measurement.

## 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.**