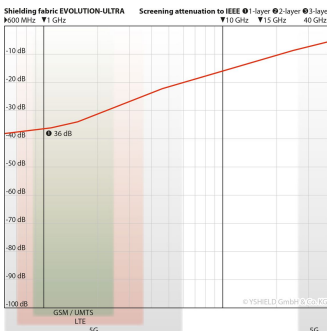
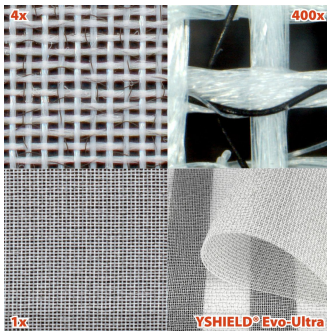
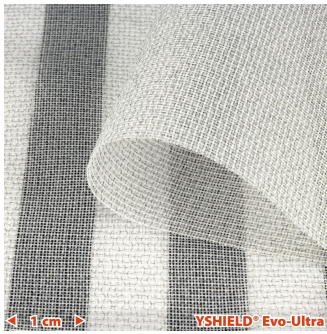


# Swiss-Shield® EVOLUTION-ULTRA™ | Shielding fabric | Width 200 cm | 1 meter | SPECIAL ITEM

From Swiss Shield®. Semitransparent polyester fabric as curtain or for canopies. Part of the groundable ULTRA-series. Light grey. 36 dB. Width 200 cm.



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## Properties

**3000 linear meters to a unique crazy price! Can be grounded due to the electrically conductive surface.** The carbon threads form visible nodules in some spots. Due to this visible spots we sell the fabric at a reduced price. This is not a defect, as the screening attenuation is not affected.

EVOLUTION-ULTRA™ from Swiss-Shield® is a **semi-transparent polyester fabric** for the shielding of high-frequency electromagnetic fields (HF) and low-frequency electric fields (LF). EVOLUTION-ULTRA™ is the second fabric of a new product series from Swiss Shield®. **In the new ULTRA-series the silver-/copper-filament is coated with carbon, why these fabrics are electrically conductive** to shield low-frequency electric fields (LF).

- Semi-transparent polyester fabric
- Can be grounded due to the conductive surface
- Excellent cost/performance ratio
- 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: 200 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 36 dB**
- Color: Light grey
- Raw materials: 93 % Polyester, 6 % copper / silver, 1% carbon
- Weight: 115 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 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.**