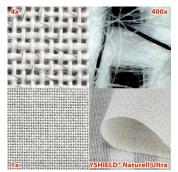
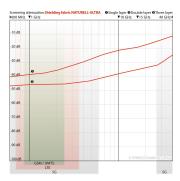
# Swiss-Shield® NATURELL-ULTRA™ | Shielding fabric | Width 250 cm | 1 meter

From Swiss Shield<sup>®</sup>. Semitransparent cotton fabric as curtain or for canopies. Part of the groundable ULTRA-series. Light grey. 38 dB. Width 250 cm.







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### Properties

NATURELL-ULTRA<sup>™</sup> from Swiss-Shield<sup>®</sup> is a **semi-transparent cotton fabric** for the shielding of highfrequency electromagnetic fields (HF) and low-frequency electric fields (LF). NATURELL-ULTRA<sup>™</sup> is the second fabric of a **new product series** from Swiss Shield<sup>®</sup>. In the new ULTRA-series the silver-/copperfilament is coated with carbon, why these fabrics are **electrically conductive** to shield low-frequency electric fields (LF).

- Semi-transparent cotton fabric
- High screening attenuation for a cotton 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. **ZHYO070054 OEKO-TEX® Label Check** 

### **Swiss Shield® Shielding fabrics**

This fabric is manufactured by Swiss Shield<sup>®</sup> 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<sup>®</sup> distributor.

## **Technical data**

- Width: 250 cm, +/- 2 cm
- Length: Available by the meter
- Attenuation: 38 dB, two-layer 45 dB
- Color: Light grey
- Raw materials: 81 % cotton, 17 % copper, 1 % 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
- 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**.