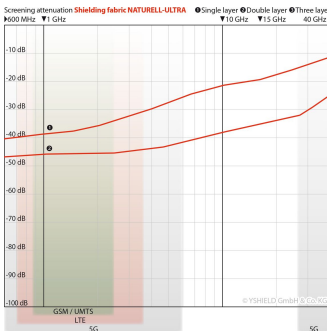
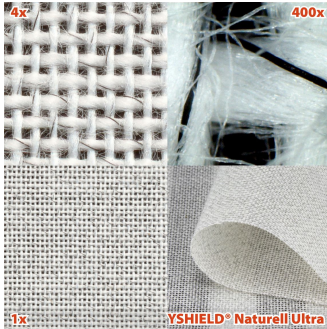


Swiss-Shield® NATURELL-ULTRA™ | Shielding fabric | Width 250 cm | 1 meter

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



YSHIELD GmbH & Co. KG
Rotthofer Straße 1
94099 Ruhstorf, Germany
Further information:
www.yshield.com,
info@yshield.com

Properties

NATURELL-ULTRA™ from Swiss-Shield® is a **semi-transparent cotton fabric** for the shielding of high-frequency electromagnetic fields (HF) and low-frequency electric fields (LF). NATURELL-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 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® 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: 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/m²
- 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.**