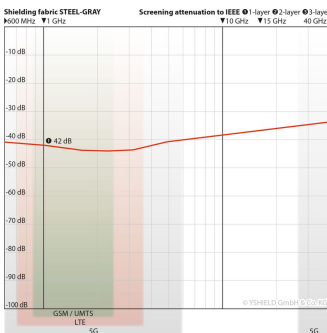
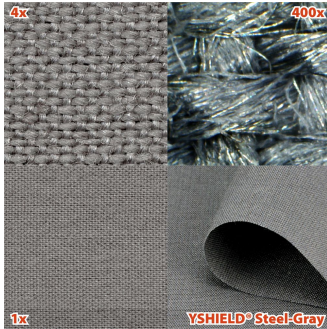


# YSHIELD® STEEL-GRAY | Shielding fabric | Width 150 cm | 1 meter

Opaque cotton-/stainless steel fabric as curtain, for handy bags, clothing, etc. Cheap, durable, up to 60°C washable. Gray. 42 dB. Width 150 cm.



## Properties

STEEL-GRAY is a **compact cotton/polyester/stainless-steel fabric** for HF+LF shielding. Typical application as **curtain, floor mat, blanket, to incorporate in furniture (beds), room dividers, or with reservations as low priced clothing or bedding.**

**Important:** For clothing the steel threads aren't as soft on the skin as of silver fabrics, it feels like a scratchy woolen sweater. **Tip:** Wear a pyjama in bedding or a sleeping bag made from Steel-Gray, then nothing scratches! Or use it as under-bedding.

- **Good screening attenuation, even at high frequencies!**
- Excellent cost/performance ratio
- **Contactable (groundable) to shield LF electric fields**
- Textile characteristics: Washable, easy to iron and process
- Quality grade: Very high

## Technical data

- **Width: 150 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 42 dB**, two-layer 57 dB
- Color: Gray
- Raw materials: 40 % cotton, 30 % polyester, 30 % stainless steel
- Weight: 120 g/m<sup>2</sup>
- Dimension stability: +/- 3 %
- Surface conductivity: 100-800 ohm (square resistance)

## Care instructions

- **Washing up to 60°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.**

## 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).