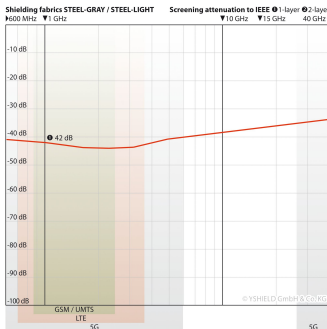
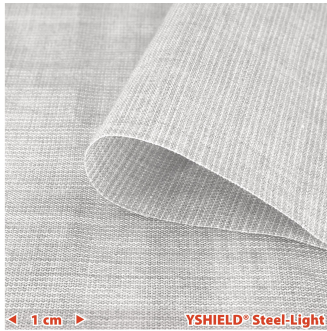


YSHIELD® STEEL-LIGHT | Shielding fabric | Width 150 cm | 1 meter

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



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Properties

STEEL-LIGHT 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**. Unlike silver fabrics, Steel-Light is not as soft on the skin due to the stainless steel threads, comparable to a wool sweater. **STEEL-LIGHT is identical to STEEL-GRAY, but uncolored.**

- **Corrosion-resistant, stable, and durable with super-fine 316 stainless steel threads**
- 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: Light gray
- Raw materials: 40 % cotton, 30 % polyester, 30 % stainless steel thread 316
- Weight: 120 g/m²
- 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

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).