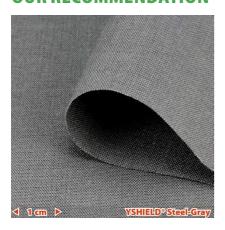
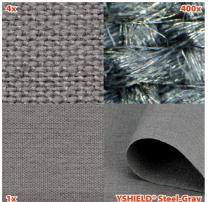
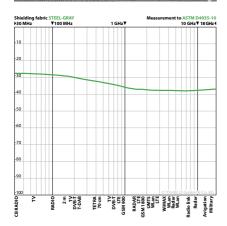


STEEL-GRAY - Shielding fabric (HF+LF)

OUR RECOMMENDATION







Characteristics

STEEL-GRAY is a **compact cotton/polyester/stainless-steel fabric** for the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

For clothing the steel threads aren't as soft on the skin as the silver threads of Silver-Jersey or Silver-Knit, it feels like a little scratchy woolen sweater.

Tip: Wear a pyjama in bedding or a sleeping bag made from Steel-Active, then nothing scratches! Or use it as under-bedding. Order a free sample for testing!

- Our most long-lasting and stable fabric
- Best price/value ratio of all fabrics!
- Good screening attenuation, especially at high frequencies!
- Contactable (groundable) to shield LF electric fields
- Textile characteristics: Washable, easy to iron and process
- Quality grade: Very high

Application

As curtain, floor mat, blanket, to incorporate in furniture (bed), room divider, or with reservations for low priced clothing or bedding.

Technical data

- Width: 150 cm, +/- 2 cm
- Length: Available by the meter, 150 meter rolls
- Attenuation: 35 dB, two-layer 50 dB
- Color: Gray
- Raw materials: 40 % cotton, 30 % polyester, 30 % stainless steel
- Weight: 120 g/m²
- Surface conductivity: 100-800 ohm (square resistance R□)

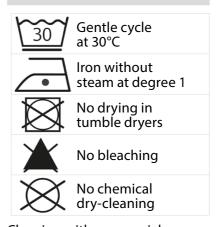
Grounding

Due to the surface conductivity this fabric **can be grounded** to shield low frequency (LF) electric fields.

Screening attenuation

The screening attenuation is regularly tested in our own EMC laboratory. We have measurement setups due to the following standards: ASTM D4935-10, IEEE Std 299-2006, IEEEE Std 1128-1998, ASTM A698/A698M-07. Please find the test report at our homepage directly on the product page.

Care



Cleaning with our special washing detergent **TEXCARE**. No handwashing! For allergy sufferers: Every new fabric smells, wash before its first usage!