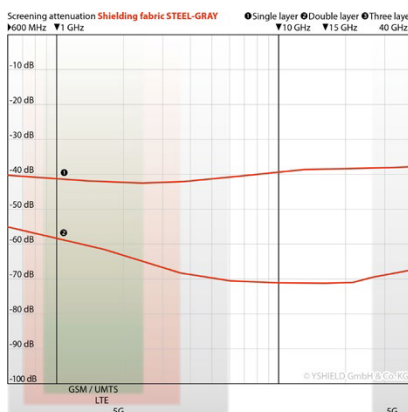
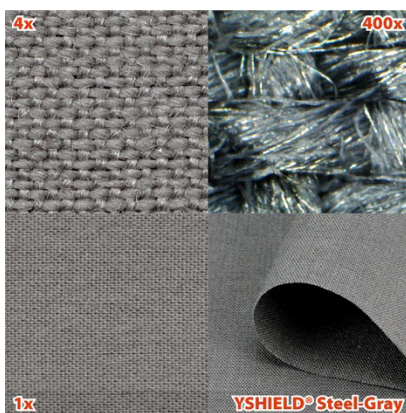


STEEL-GRAY - Shielding fabric (HF+LF)

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: 41 dB, two-layer 57 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, IEEE Std 1128-1998, ASTM A698/A698M-07**. Please find the test report at our homepage directly on the product page.

Care

	Gentle cycle at 30°C
	Iron without steam at degree 1
	No drying in tumble dryers
	No bleaching
	No chemical dry-cleaning

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