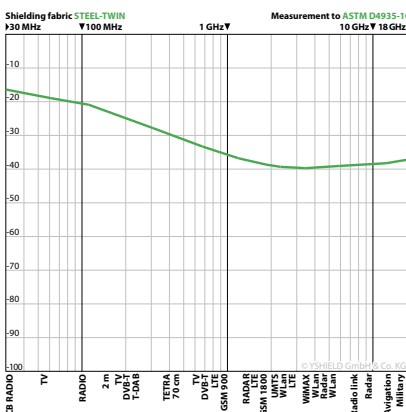
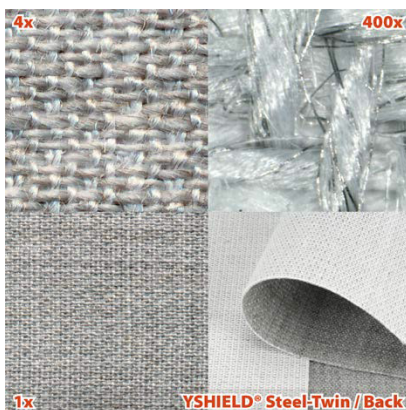
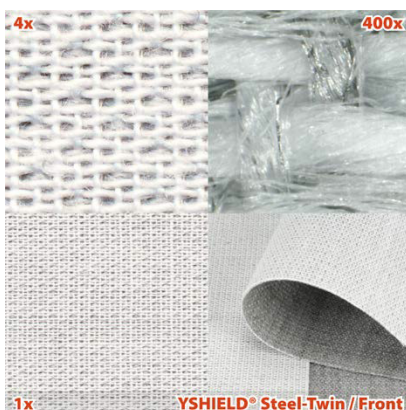
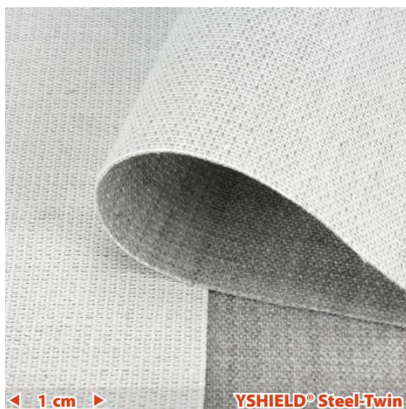


STEEL-TWIN - Shielding fabric (HF+LF)

OUR RECOMMENDATION



Characteristics

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

The frontside is made of white cotton, while the backside is densely woven with a stainless steel thread. Despite the high attenuation due to the gray stainless steel threads on the backside, this fabric has a light gray front side!

- **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** or for floor mats.

Technical data

- **Width: 150 cm**, +/- 2 cm
- **Length: Available by the meter**, 150 meter rolls
- **Attenuation: 35 dB**, two-layer 50 dB
- Color: Frontside light gray, backside silver
- Raw materials: 68 % cotton, 17 % polyester, 15 % stainless steel
- Weight: 190 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!