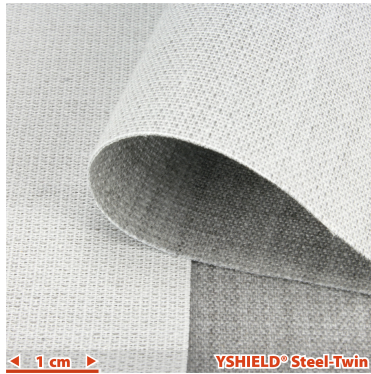


YSHIELD® STEEL-TWIN | Shielding fabric | Width 150 cm | 1 meter

Opaque cotton-/stainless steel fabric as curtain, for handy bags, etc. Cheap, durable, up to 60°C washable. Light grey/gray. 41 dB. Width 150 cm.



Properties

STEEL-TWIN is a **compact cotton/stainless steel fabric** for the protection against high-frequency (HF) radiation. Typical application as **curtain**.

Special feature: 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!

- **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

Attenuation | Grounding

- This product shields **high frequency electromagnetic fields** (HF). The indicated dB-values apply to 1 GHz, view chart for other frequencies. Expert reports ranging from 40/600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006, view report above.
- This product with an electrically conductive surface shields **low-frequency alternating electric fields** (LF). For this purpose a **grounding is necessary**, i.e. an integration into the functional-equipotential bonding (FEB), please find suitable grounding accessories under "Grounding".

Technical data

- **Width: 150 cm, +/- 2 cm**
- Length: Available by the meter
- **Attenuation: 41 dB**, two-layer 55 dB
- Color: Frontside light gray, backside silver
- Raw materials: 68 % cotton, 16 % polyester, 16 % stainless steel
- Weight: 190 g/m²
- Dimension stability: +/- 3 %
- Surface conductivity: 100-800 ohm / inch (2.54 cm)

Care instructions

- **Washing up to 60°C**
- **Iron without steam at degree 1**
- **Drying at low temperature**
- No bleaching
- No chemical dry-cleaning

