

Stainless steel mesh from corrosion-resistant with maximum shielding for drywall constructions or as fly screen.

55 dB. Interior & Exterior. Width 35.43 in.

PROPERTIES

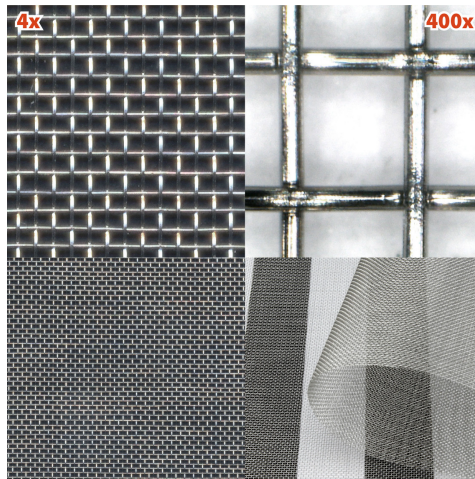
SM-10YG is an extremely fine woven, noncorrosive stainless-steel gauze for the protection against high-frequency radiation (HF) and low-frequency electric fields (LF). V4A (AISI 316) is resistant against water, water vapor, air humidity, mild acids and in coastal areas against salty seawater!

APPLICATION

Typical application due to the thin filaments especially as fly screen. Due to the **smaller mesh width, the shielding attenuation is better at high frequencies. Further application in roof areas, at drywall constructions, loosely laid, etc.**

PROCESSING

In case processing as flyscreen, the application is identical to that of a regular fly screen in commercial tenter frames. Under the floor covering (laminat, parquet, PVC coating, etc.) the SM-10YG is being fixed with the adhesive used for the floor covering. For drywall construction and in roof area the mesh elements can be bolt or stapled together. The rule is: Always overlap the single elements at least 5 cm. For grounding use the perforated stainless steel tape by screwing it right across the elements into the surface.



TECHNICAL DATA

- Width:** 35.43 in
- Length:** By the roll / 328.08 in roll
- Attenuation:** 55 dB
- Mesh Width:** 0.3 mm
- Wire diameter:** 0.08 mm
- Material thickness:** 0.16 mm
- Open area:** 54 %
- Weight:** 200 g/m².
- Color:** Silver
- Fire-proof material,** A1 according DIN 4102:1994.
- Surface conductivity:** 0.03 Ohm (square resistance)

GROUNDING

This product with an electrically conductive surface has to be integrated into the functional-equipotential bonding (FEB). Please find suitable grounding accessories under "Grounding".

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.

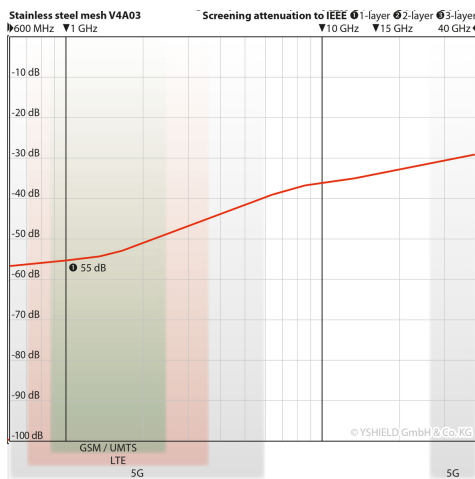
This product with an electrically conductive surface **shields low-frequency alternating electric fields (LF).**

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 spectrum FR1 (600 MHz - 6GHz) and FR2 (24 GHz - 40 GHz).



SM-10YG
RF Shielding Mesh