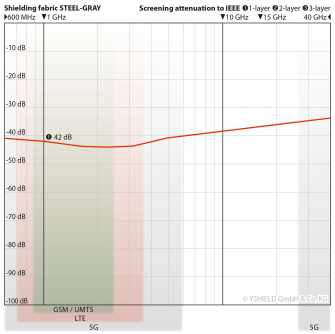

TBL - TECHNICAL DATA 2026/09

Bedding made from Steel-Gray with 42 dB. Groundable. Size: 240 cm x 140 cm (7.9 ft x 4.6 ft).

PROPERTIES

Shielding bedding made from Steel-Gray for HF shielding. This bedding is a cheap alternative to canopies. The bedding set includes a sheet and a duvet cover. The sheet is made of Steel-Gray and can be covered with a common sheet if required. The duvet cover is sewed two-sided: With the Steel-Gray side (gray fabric) used downwards for a better shielding, as the shielding fabrics will lay on top of each other. With the cotton fabric side (light gray fabric) used downwards with a decreased shielding but less scratchy. The set is not including a pillow case, this is not necessary anyway because of the included sheet. Please be aware that hygiene products like shielding clothes, blankets, bedding or sleeping bags cannot be returned or exchanged.
The fabric Steel-Gray was chosen as it is, due to it´s stainless steel threads, considerably durable and more stable even with strong movement, then fabrics with silver threats would be. On the skin Steel-Gray feels a bit like a scratchy woolen sweater. Without pajama on this could bother you.

TECHNICAL DATA

- **Size Sheet:** 240 cm x 140 cm (7.9 ft x 4.6 ft).
- **Size duvet cover:** 200 cm x 135 cm (6.6 ft 4.4 ft)
- **Attenuation:** 42 dB
- **Colors:** Gray, light gray
- **Raw materials:** 40 % cotton, 30 % polyester, 30 % stainless steel
- **Surface conductivity:** 100-800 ohm (square resistance)

CARE INSTRUCTIONS

- Washing up to 60°C
- Iron without steam at degree 1
- Drying at low temperature
- No bleaching
- No chemical dry-cleaning
- Wash only with washing detergent YSHIELD TEXCARE, without enzymes or bleaching agents

SHIELDING ATTENUATION HF

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.

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).

LBA Group Inc. is an authorized dealer of YSHIELD®

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