

High frequency



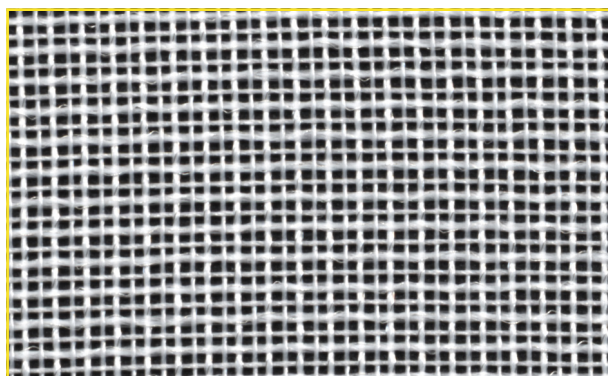
- for extensive shielding of high-frequency, electromagnetic waves
- transparent fabric with 100 % textile characteristics, easy to assemble
- very good shielding qualities
- ideal curtain material with soft drape, thanks to incorporated filling finish band
- Sunshine 64 is a very decorative, high-frequency shielding polyester fabric with incorporated silvered fine copper threads. The polyester fabric has an anti-static effect.

The 300 cm wide version incl. filling finish band, only available from Biologa, is particularly suited for high rooms.

Sunshine 64 is preferentially used as a curtain material in front of windows, doors, or walls, or as a basic material for bed canopies and can be easily tailored or sewn.

Order-No.: 100617

Short-Desc.: Sunshine 64 white



Shielding fabric (curtains, canopies)

Sunshine 64 (Voile) white

Type	MHz	dB	in %
DVB-T2	470 - 690	31	> 99,9
LTE / 5G wide	700 - 750	30	> 99,9
GSM, LTE	920 - 960	29	> 99,0
GSM, LTE	1800 - 1880	25	> 99,0
DECT	1880 - 1900	25	> 99,0
LTE, 5G wide	2110 - 2170	22	> 99,0
W-LAN 2400	2400 - 2500	21	> 99,0
5G fast	3400 - 3700	18	> 90,0
W-LAN 5200	5150 - 5350	13	> 90,0

Technical data

length:	by the meter
width:	300 cm ± 2 %
thickness:	0.17 mm ± 10 %
color:	white
grammage:	60 g/m ²
mesh gauge:	< 1mm x 1mm 3/4 - transparency
composition:	90 % Polyester 8 % Polyamide 2 % Silver
features:	good transparency, good air exchange capabilities, good washability, anti-static
wash cycles:	> 25 x
basis for inspection:	IEEE Standard 299™-2006
shield attenuation:	max. ~ 40 dB (> 99,99 %)

Care instructions



wash very gently
(delicate or wool wash cycle at 40°)



gentle ironing at level 1
(ironing at a low temperature)



bleaching not permitted
No detergent with bleach.



do not tumble dry



do not dryclean

Scope of application

window, door, and wall area inside
children's, sleeping area

Type	MHz	Description
DVB-T2	470 - 690	digital video broadcasting – terrestrial, 2nd generation, TV via antenna
LTE / 5G wide	700 - 750	from 4G, now 5G NR without beamforming / MIMO
GSM, LTE	920 - 960	from 2G - D1, now 5G NR without beamforming / MIMO
GSM, LTE	1800 - 1880	from 2G - D2, E network, now 5G NR without beamforming / MIMO
DECT	1880 - 1900	wireless phone
LTE, 5G wide	2110 - 2170	from 3G, formerly UTMS, now 5G NR without beamforming / MIMO
W-LAN / WiFi 2400	2400 - 2500	wireless LAN
5G fast	3400 - 3700	5G NR - New frequency band with beamforming / MIMO
W-LAN / WiFi 5200	5150 - 5350	wireless LAN

Shielding values: According to test report: EMF Test Lab Bavaria

