

Ag

Cu

Ni

Sn

Shieldex® EMC Shielding Fabrics



Plated materials open unlimited opportunities for product development and with over 40 years of experience Statex supports your ideas with a multitude of plated textile materials and processes. Due to our unique metallization process, our long-living premium EMC fabrics are robust, wash- and durable, resistant to abrasion and have increased EMC shielding.

Shieldex® Berlin

Silver-plated polyamide ripstop coated with conductive polyurethane

EMC

Shielding Enclosures and bags or antistatic conductors in electronic components, textile cable shielding and in shielding clothing against infrared radiation.

Technical Information

Surface Resistivity: Avg. > 0.3 Ω/\square (max. < 0.5 Ω/\square)

Shielding Effectiveness: Average up to 62 dB from 0.2 GHz to 14 GHz

Shieldex® Bremen

Silver-plated polyamide ripstop coated with conductive polyurethane

EMC

Excellent for partial metallization, shielding tents and curtains and in shielding clothing against infrared radiation.

Technical Information

Surface Resistivity: Average > 0.3 Ω/\square

Shielding Effectiveness: Average up to 60 dB from 0.2 GHz to 14 GHz

Shieldex Kassel

Cu/Ag-plated polyamide woven ripstop

EMC

Ideal for technical applications, such as textile conductors or for shielding cables.

Technical Information

Surface Resistivity: Average > 0.3 Ω/\square

Shielding Effectiveness: Average up to 80 dB from 0.2 GHz to 14 GHz

Shieldex® Kiel +30

Copper-plated polyamide non-woven

EMC

Room shielding as wallpaper, antistatic discharges in electronic components and in EMC seals. Special feature is the paper back which enables the attachment with customary paste.

Technical Information

Surface Resistivity: Avg. $0.02 \Omega/\square$

Shielding Effectiveness: Average up to 91 dB from 0.2 GHz to 14 GHz

Shieldex® Nora Dell

Ag/Cu/Ni-plated polyamide ripstop

EMC

Room shielding as curtains, textile cable shielding or antistatic conductors in electronic components and shielding enclosures / bags.

Technical Information

Surface Resistivity: Avg. $> 0.009 \Omega/\square$

Shielding Effectiveness: Average up to 82 dB from 0.2 GHz to 14 GHz

Shieldex® Pisa

Ni/Cu-plated polyester ripstop or plainweave

EMC

Room shielding as curtains and shielding enclosures / bags.

Technical Information

Surface Resistivity: Average $> 0.05 \Omega/\square$

Shielding Effectiveness: Average up to 75 dB from 0.2 GHz to 14 GHz

Shieldex® Porto

Sn/Cu-plated polyester ripstop or plainweave

EMC

Room shielding as curtains, textile cable shielding or antistatic conductors in electronic components and shielding enclosures / bags. Due to the coating of tin, this fabric can be soldered.

Technical Information

Surface Resistivity: Avg. $0.02 \Omega/\square$

Shielding Effectiveness: Average up to 88 dB from 0.2 GHz to 14 GHz

Shieldex® Zell

Ag/Cu/Sn-plated polyamide ripstop

Special feature: tin coating

EMC

The tin-coating makes the fabric solderable and thus enables a perfect bonding. The metals can selectively etched to create conductive pathways

Technical Information

Surface Resistivity: Average $< 0.02 \Omega/\square$

Shielding Effectiveness: Average up to 76 dB from 0.2 GHz to 14 GHz

Shieldex® Zeven +30

Sn/Cu-plated polyamide non-woven

EMC

The special feature of the copper-plated non-woven is the additional tin coating, which makes the textile solderable and ideal for technical applications.

Technical Information

Surface Resistivity: Average $< 0.05 \Omega/\square$

Shielding Effectiveness: Average up to 88 dB from 0.2 GHz to 14 GHz

Did we spark your interest ?

More information can be found on our detailed data sheets.

Please do not hesitate to contact us at any time.