

SHIELDING FABRICS

CIRCUITeX™

Textured Silver Shielding Fabric

Wow! Look at this one! What a beautifully textured RF shielding fabric. Shimmering silver color with a tree



bark-like texture make this unique for fashion and drapery applications. Highly conductive (<0.2 Ohm per sq) on both sides and nearly **70 dB** shielding from at least 1-10 GHz. Makes amazing futuristic vests, skirts, hats, gloves and almost anything your imagination can create. Easy to cut and sew, but edges will fray. Too coarse for undergarments. **62 inch wide** Real pure Silver coated nylon.

CIRCUITeX (Cat. #R325) ... \$31.95 /lf

Stick E Shield™

Exceptional Shielding Fabric with Adhesive Backing

Unique blackened Nickel / Copper coated polyester with conductive adhesive backing creates a fabric which performs where no other fabric can go. Highly conductive and good RF shielding. Completely black, won't fade. Peel off paper backing reveals high strength



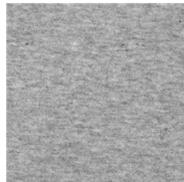
conductive adhesive... stays right where you put it. Easily cut to size with scissors. Flexible and light weight. Excellent corrosion resistance.

- Thickness: 0.08-0.09 mm
 - 40-50 dB from 10 MHz to 10 GHz
 - Conductivity: 0.02-0.08 Ohm/cm
 - 100g/m²
 - 23% Cu + 20% Ni + 57% polyester
- Great for covering walls, lining boxes, blocking out windows, making gaskets, lining pockets, cell phone and laptop cases and more! Even cut it into strips to use as a tape or to seal gaps. Stick E Shield can be applied to walls and painted too! **42" wide.**
Stick E Shield (Cat. #R344) .. \$15.95/lf

SILVER JERSEY KNIT

Human-Friendly Shielding Fabric

Silver Jersey Knit Fabric is an amazing fabric with a little bit of one-way stretch and so many unique characteristics:



- Washable, comfortable, and safe for skin contact
- One side is almost all Silver with very high conductivity (~2 Ohm per sq)
- Other side is almost all cotton and has low conductivity (~10⁹ Ohm per sq). *But when you press it, the conductivity increases!*
- Groundable
- Shields RF 40-50dB over at least 10MHz to 4GHz
- Mottled light gray color on the cotton side, silver color on the other
- Knit, some one-way stretch.
- Cuts and sews like normal fabric

Perfect for making T-shirts, caps, and undergarments. Silver provides great shielding and eliminates odors. Great for bedding and curtains. Anti-static.



Uniquely suitable for smart devices, switches and smart clothing due to variable conductivity with pressure. (Little

or no change in conductivity due to stretch). **74 inches wide.**

35% Silver fiber, 40% cotton, 25% polyester; 191 g/m²;

(Cat. #R1281) \$24.95/lf

WHAT ABOUT GROUNDING?

Grounding is the process of discharging excess electricity which builds up in your body. It has been shown to provide many health benefits. While grounding can be useful if you experience high body voltage (see page 88), it is not the same as shielding and does not reduce the damaging effects of exposure to electromagnetic fields. Contact us if you have questions.

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40

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