

# SHIELDING FABRICS

## SILVERELL® FABRIC

*Soft and Stretchy as a Cotton T-Shirt*



Rayon and Silver make a super soft yarn, knit into a beautifully soft fabric which is a delight to wear. That's Silverell! Because it's knit, it has a nice stretch in one direction. Because it's Silver it has good conductivity, anti-static properties, and shielding (*and odor control*). And because it's rayon, it's comfortable and washable. Great material for garments and bedding. Silver & Modal. >90% RF attenuation from 20 MHz to 8 GHz. <5 Ohm/sq. Machine wash. Fabric will pill if abraded. Light gray color. RoHS compliant. **62±2 in wide.**

**(Cat. #R1224) ..... \$23.95 per lin ft**

## SHIELDIT® SUPER

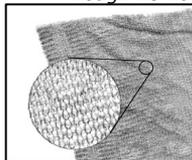
*With Hot Melt Adhesive*

High quality flame retardant fabric for radio-frequency and microwave shielding. Rugged rip-stop polyester substrate (for superior strength and handling), conductive Nickel and Copper plated (for excellent shielding and low corrosion), then coated on one side with a non-conductive hot melt adhesive (activates at 266°F) so you can iron it on to cotton, wood, glass or paper, or roll it into a tube and heat seal the seam! Maximum temperature is 392°F. One side surface resistivity <0.5 Ohm/sq. Can also be cut and sewn like ordinary fabric. This fabric offers an amazing shielding performance: **>60 dB from 30 MHz to 3+ GHz.** Will also block virtually all ELF & VLF electric fields when grounded. Great for shielding extension cords and computer cables. Connect strips of it to make a sheet shield under your bed, or hang it on the wall. Makes a great liner for drapes too! Line a vest or a hat to protect your vital organs from radiowaves and electric fields. It doesn't breathe well, and Nickel may cause skin irritation, so plan to line it with cotton if you will be using it against the skin. 230 g/m<sup>2</sup>, 0.17 mm thick. UL 94V-0 level flame retardant. RoHS Compliant. Gray, **13" wide.** **(Cat. #R1220) ..... \$8.95/lin ft**



## STAINLESS STEEL MESH

*Tough As Nails, Soft To Touch*



Pure 100% surgical stainless steel (AISI316L), .004 inch diameter, knit into a shielding fabric that's as strong as steel! Tight knit pattern yields good shielding. 26 dB at 800 MHz, 15 dB at 1900 MHz. Permits good air flow and light transmission too. Resists corrosion and it's fully washable. Edges are hard to fray, even when cut. Trims easily with scissors and can be sewn. Use it for grounding, shielding, and conductive surfaces. Great for window shielding (especially outdoor window screens). Easy to ground. 190 gr/m<sup>2</sup>. **40 inch wide.**

**(Cat. #R272) ..... \$19.95 per lin ft**

## STRETCH FABRIC

*"All The Conductivity Of Silver With Lycra-Like Stretch"*

This medical grade Silver plated, 76% Nylon, 24% elastic fiber fabric offers the unique ability to stretch in both directions. Can be used as an anti-bacterial wound/burn dressing (note: our material is not sterile), but it also makes a great material for electrode contacts, stretchy hats, socks, gloves, or other shielded garments. Highly conductive, and conductivity increases as it stretches in one direction, and decreases as it stretches in the other direction (handy for smart textile applications). Silver is 99.9% pure. Includes anti-tarnish acrylic coating. Silver/gray color.



Resistivity: <1 Ohm/sq. (unstretched)  
Shielding Effect: 35+dB: 1-10 GHz  
Temperature range: -30 to 90°C  
Thickness: 0.40 mm Weight: 4.3 oz/yd<sup>2</sup>  
Stretch: ~100% x length; ~65% x width  
Width: ~**52±2 in wide**, varies by lot

**(Cat. #R321) ..... \$29.95 per lin ft**

**100 foot roll (Save 25%!):  
(Cat. #R1220-roll) ..... \$671.25 each**

Toll free in USA: 1-888-537-7363  
International: +1-518-608-6479

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Fax: 1-309-422-4355  
www.lessemf.com