

SHIELDING FABRICS

Full color images and more information is available on the website at: lessemf.com/fabric.html

CONDUCTIVE THREAD

Silver Plated Nylon

Need to sew with conductive thread? Want to add a conductive stitch to a non-conductive fabric?

With conductive thread, you can add conductivity to any fabric, make conductive traces as easily as sewing, even use it as uninsulated low voltage wiring.

- 66 Yarn 22+3ply 110 PET
- Resistance: <1000 Ohm/10cm
- Yields about 2770 meters per 100g.
- Supplied 100g per cone.
- Handles like ordinary thread.

100g (Cat. #R1226) \$49.95



BOBBIN THREADS

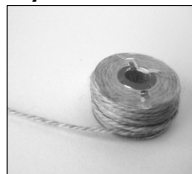
2 Styles to Suit Your Needs

Need to sew with conductive thread? Want to add a conductive stitch to a non-conductive fabric? Only need a little bit?

With this conductive thread, you can add conductivity to any fabric, make conductive traces as easily as sewing, even use it as un-insulated low voltage wiring. Great for embroidery too.

Stainless Steel with Polyester Yarn

Thick, soft blend of polyester (80%) and AISI 316L stainless steel (20%). Very strong and completely corrosion resistant. Great for applications that need machine washing or sterilization. About **200 Ohm** per yard. Needs a needle with large eye. Approximately 4 yards of thread per bobbin.



Bobbin Thread – Stainless (Cat. #R306) \$4.95

SILVERSPUN YARN

Knocks the Stuffing Out of Static

High Tech meets homespun!

What could you make with conductive yarn? Static won't stick, & grounding is a breeze. Microwave shielding is a natural benefit! This American-made all natural cotton yarn contains pure Silver. The Silver content in SilverSpun makes it both therapeutic *and* conductive. Silver kills a number of bacteria, including those



that cause odor, has excellent thermal properties, is nontoxic and is perfect for those suffering from diabetes, arthritis and sensitive skin. Silver also allows Smart phone or other touch screen use while wearing gloves knit from the yarn. The silver is permanently adhered to the yarn and will not wash out. Can be used to make smart textiles and simple circuits. Highly

conductive, about 10 Ohm per inch. Light gray color. 87% combed cotton, 5% silver, 5% nylon, 3% Spandex. 50g skein, ~173 yds.

SilverSpun yarn:

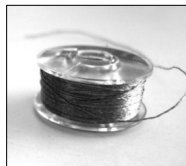
Gray (Cat. #R237-g) \$30.00



Silver with Nylon Yarn

Nylon 6.6 filament yarn twisted with 99% pure, ultra-fine Silver fibers.

- o Yarn count: dtex 140f1.7x2 ply (~280/1 dtex)
- o Twist of single yarn: 620 tpm S
- o Turns of twist: 550 tpm Z
- o Yarn count of twist: Nm 35
- o Tenacity: about 70±5 cN/dtex
- o Elongation: about 40±5%
- o **Resistivity:** ~3000 Ohm/yard
- o RoHS compliant



Hand wash, no bleach. Hang dry. Do not dry clean. Approximately 20 yards of thread per bobbin. You get 2 bobbins in this offer. Can also be hand sewn.

Bobbin Thread – Silver

(Cat. #R304) \$13.00

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