

# SILVER JERSEY KNIT FABRIC

*Our Most 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 high conductivity (~2 Ohm per sq)
- Other side is almost all cotton and has low conductivity (~10<sup>9</sup> Ohm per sq). *But when you press it, the conductivity increases!*
- Shields RF 40-50dB over at least 10MHz to 4GHz, groundable
- Mottled light gray color on the cotton side, silver color on the other
- Knit so there is 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. Anti-static. Great for bedding and curtains. ***Uniquely suitable for smart devices, switches and smart clothing due to variable conductivity with pressure.*** (Little change in conductivity due to stretch).

35% Silver fiber, 40% cotton, 25% polyester; 191 g/m<sup>2</sup>; 74 inches wide.

**Silver Jersey Knit Fabric (Cat. #1281)**

## **Washing Instructions:**

- 1) Softly wash by hand, with neutral detergent such as TexCare (Don't use any strongly alkaline detergent such as washing powder).\*\*
- 2) Water temperature below 40°C.
- 3) No bleach, do not use detergent with bleach ingredients.
- 4) Hang dry. Do not wring, do not hang in blazing sun for a long time, and pick up promptly from the water to dry.
- 5) Do not dry clean.

\*\* Poor water quality will damage Silver. In particular Sulphur, high Fluoride, and low pH will react strongly with Silver and destroy conductivity and shielding performance.

Test your tap water on a small fabric swatch before washing your fabric or garment:

- 1- soak a small fabric swatch in tap water for 1 hour.
- 2- look for color change in the water or swatch, especially blackening.
- 3- air dry the swatch and check for conductivity (by touching an Ohm meter to 2 points on the fabric)

If color change or loss of conductivity occurs, DO NOT use tap water to wash/rinse your fabric, use distilled or deionized, reverse osmosis water. *Washing will eventually degrade Silver coating and shielding performance. Discoloration over time is normal.*

The fabric is highly conductive. DO NOT allow the fabric to come in contact with electric wires, outlets or switches. Cover nearby outlets with child safety caps. Does not contain flame retardant, use caution around open flames and heat sources.

**Less EMF Inc. "The EMF Safety SuperStore"**  
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