

# SHIELDING FABRICS

## QTC™

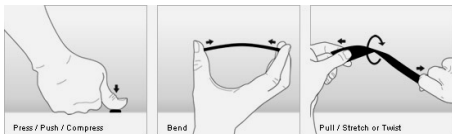
### Quantum Tunneling Composite

Transforms from Insulator to Conductor with Pressure



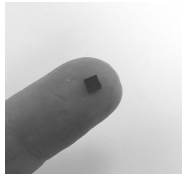
This flexible polymer exhibits extraordinary electrical resistance change when deformed by squeezing, pulling or twisting. In

practice, QTC™ can be connected in quite simple ways to create anything from switches to force sensors. In its normal, uncompressed state, QTC acts as a near perfect insulator, but as it is gradually compressed it will allow more current through until it is nearly a perfect conductor. Fun to experiment with and great for turning anything with a screw-in battery compartment into an effective dimmer switch! Can also be used between layers of conductive fabric to make variable switches and variable resistors or capacitors.



QTC™ can be used as a solid state switch - in the "off" state it is a good insulator and in the "on" state it is as good as a metal conductor. It can be used to detect

even very small changes due to compression, tension or other stresses and it can carry significant currents allowing for the direct control of loads.



Rated for over 1 million compressions. The maximum specified voltage is 40V, maximum current is 10 Amps. Each piece is 4x4x1 mm.

QTC™ (Cat. #Q253) ..... \$2.00

## TEXCARE

Laundry Detergent For Shielding Textiles With Silver Or Stainless Steel Threads.



This special recipe detergent preserves the shielding performance, saves the environment and is suitable for many allergy sufferers.

After many years of experience with shielding fabrics we found out that **some laundry detergents are bad for the shielding attenuation.** In addition, customers who suffer from MCS (Multiple Chemical Sensitivity syndrome) reported some brands cause an undesirable odor. **This new laundry detergent, developed in cooperation with a prestigious manufacturer of eco-detergents,** will not react with our Silver or stainless steel shielding fabrics which are washable. It contains no fragrances, coloring agents, complexing agents, preservatives, enzymes, genetic engineering, petrochemicals, and all ingredients are 100 % biodegradable.

One order (liquid is 1 liter, powder is 1 Kg) is enough for 20 loads. The dosage is independent of the water hardness. Pour **TEXCARE** in the detergent drawer or put it straight in the drum. **Select delicate cycle with washing at 30°C.** Can also be used for hand washing. Please take note of the fabric care label, respective to washability, ironing and drying!

**TexCare:**  
**Liquid (Cat. #Q289-L) ..... \$17.95**



## TexCare Powder

All the same protective benefits of TexCare liquid for washing shielded clothing and fabrics which contain silver, but in

a powder form which is simpler to ship. One Kg container.

**(Cat. #Q289-P) ..... \$17.95**

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