STRETCH CONDUCTIVE FABRIC 4900

Stretch conductive fabric is coated with a medical-grade silver coating and can be stretched in both directions

This conductive fabric is coated with a medical-grade silver coating and has a broad range of applications, since it can be stretched in both directions - lengthwise even up to 100% of its original dimension! The fabric can be used as an anti-bacterial wound or burn dressing (note: the material is not supplied sterile) but it is also a great material for electrode contacts, clothing, or other shielded garments. Not only is the material highly conductive, but the conductivity increases up to 25% as it stretches, which is convenient for smart textile applications. The silver coating is 99,9% pure.

ADVANTAGES

- The width of the fabric affects the percentage of conductivity
- The material is very consistent in quality
- When the material is stretched lengthwise, its conductivity increases; when you stretch it crosswise, conductivity decreases
- Crosswise the fabric can be stretched by around 60%, and lengthwise by almost 100%

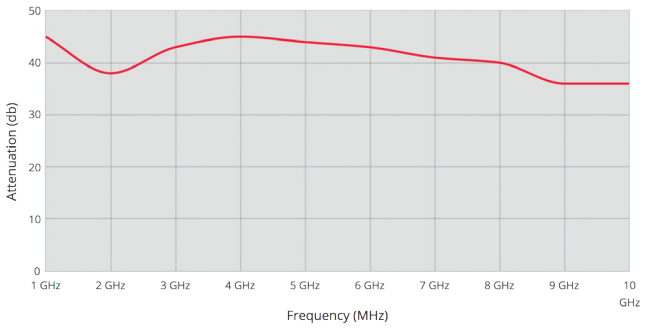
APPLICATIONS

- “Intelligent” or shielding garments
- Cable shielding wrap
- Technology where a change in conductivity with stretch is important

SPECIFICATIONS

Property	Test value
Thickness	0.40mm
Standard width	135 cm (52 inch)
Temperature range	-30 to 90°C
Lengthwise stretch	~100% x length
Crosswise stretch	~60% x width
Surface resistivity	< 0.5 Ohm/sq. (unstretched)
Weight	4.3 oz/yd²

ATTENUATION



Stretch conductive fabric

ORDER EXAMPLE

Series		Width (mm)		Length (mm)
4900	–		–	
		Specify the width in mm		Specify the length in mm

Technical Data Sheet

***Notice**

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