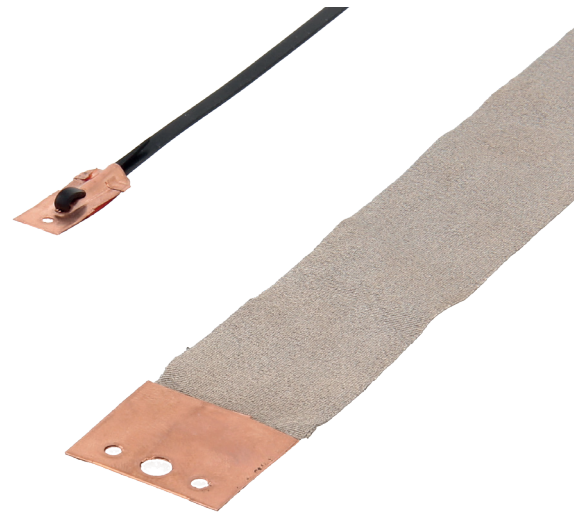


STRETCH SENSOR 4940

For measurement of small movements

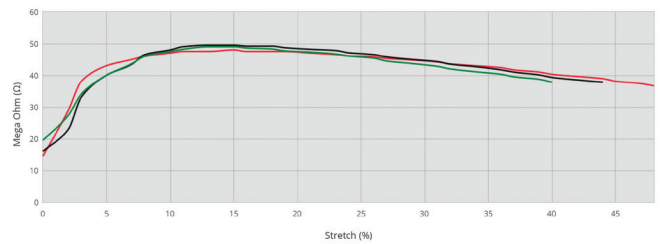


Stretch materials up to 30% without permanently deforming. On both sides copper clips for mounting the sensor on the product with little resistance loss. Precise movement measuring by changing resistance in the material. Two types of material; conductive fabric and conductive rubber. Length of the sensor can be specified on request. The sensor doesn't have any sharp edges so it can be used on skin.

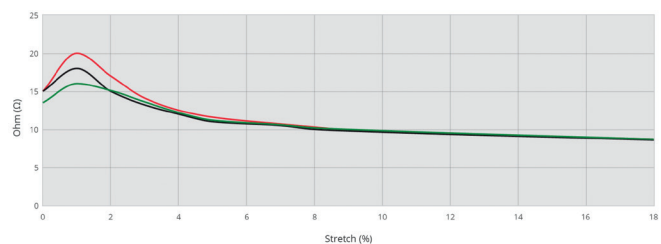
SPECIFICATIONS MATERIAL

Conductive rubber	
Elongation, %, min	50
Flame resistance, UL94 (horizontal)	HB
Flame resistance, UL94 (vertical)	V-0
Volume resistance, ohms/cm (expression of conductivity)	1.8
Operating Temp range (°C)	+160 -50
Colour	Black
Shore Hardness (A +/-) ASTM D2240	60
Volume Resistivity (ohms) ASTM D991	2.2
Specific Gravity (+/- 0.25)	2.0
Conductive fabric	
Surface resistivity	<0.5 Ohm-sq. (unstretched)
Shielding Effect	35+ dB: 1-10 GHz
Temperature range	-30 °C to 90 °C
Thickness	0,40mm
Weight	4.3 oz/yd ² 145 Gr./0.84m ²
Stretch	~100% x length; ~65% x width direction
Permanent deformation	After ± 30% stretch
Standard length	135 cm (52 inch) wide

STRETCHING SENSOR - RUBBER LENGTH



STRETCH SENSOR - FABRIC WIDTH



HOW TO ORDER

Part number	Options	Length (mm)
4940	R : Rubber S : Stretch fabric	Please specify the length in mm (min 50 mm)

OPTIONS AND DIMENSIONS

