Piezo cable is another form of Piezo polymer sensors, designed as a coaxial cable, the Piezo polymer is the "dielectric" between the center core and the outer braid. When the cable is compressed or stretched, a charge or voltage is generated proportional to the stress.

Piezo Film Sensor Type: **Cable**

**Piezo cable has a number of advantages in certain applications.**
Due to its coaxial design, the cable is self-shielded, allowing its use in a high EMI environment. The Piezo cable can be spliced to passive coax, using standard coax splice techniques. It is extremely rugged and will stand up to heavy loads. Its linear format makes it ideal for monitoring large areas. Two versions of the Piezo cable are offered, copolymer and spiral. With the copolymer version, a special version of the piezo material is extruded directly onto the inner conductor and then polarized. With the spiral wrap, strips of the PVDF film are double helically wound around the inner conductor. The copolymer is a much more expensive raw material and is available on a more limited basis than the standard PVDF.

**BENEFITS**
- Passive, long length sensor
- Very tough, water resistant and flexible
- Temperature stability to 85°C
- Self-shielded coaxial construction
- High voltage response
- Low impedance per unit length
- Field repairable
- Simplified interconnections

**Features**

**Product Type Features**

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SEE PRODUCTS ON NEXT PAGE
PIEZO CABLES

TE Model # PIEZO COPOLYMER COAXIAL CABLE
TE Internal #: CAT-PFS0002

Products (1 of 1)

20AWG SPIRAL WRAP PIEZO

20 AWG COPOLYMER CABLE

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Product Families

MEAS

MEAS

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as ‘Compliant’ do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**EU ELV Directive 2000/53/EC

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as ‘Compliant’ do not contain any of these substances above the prohibition thresholds.
Related Materials

Data Sheet
Piezo_Copolymer_Coaxial_Cable
English