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.

**Sensor Type: **Cable

**When the cable is compressed or stretched, a charge or voltage is generated which is proportional to the stress.**

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 also 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. In the cable construction, two narrow ribbons of PVDF film are helically wound around the inner conductor, which comprises a 20 AWG stranded silver-plated copper wire. The cable is then braided, and jacketed with an extruded high-density polyethylene. The cable is available in short lengths (in multiples of 1 m), or as long, single cut lengths wound on spools.

**BENEFITS**
- Coaxial design piezo sensor
- Shielded construction
- Ideal for linear application
- Rugged
- Water resistant
- Piezo film technology

**Features**

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**Related Materials**

**Data Sheet**

Piezo_Spiral_Wrapped_Coaxial_Cable

English