

Flexiguard Sensor Cable

Type FS210

Product Information and Specification

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The Flexiguard Sensor Cable is the most sensitive and accurate sensor cable available on the market today. It has been developed by APS for the sole function of a sensor cable for use in a security environment.

There are other sensor cables on the market such as magnetic cable sensors and fibre optic sensor cables. Both of these types of sensors suffer from a major flaw in their operation. This flaw is caused by their construction. Both types of sensor cable work by having either loose wires in a magnetic field or loose fibres in an outer jacket which have to move or vibrate to generate a signal. This is the worst type of operation you could wish for an on external fence. As the fence moves in the wind so do the loose wires or fibre optics generating a totally unacceptable amount of false alarms, just what you do not want from a sensor cable.

The APS Ltd Flexiguard Sensor Cable has a superior Solid State construction. It has no moving parts. It can move about in the wind and will not generate any false signals. That is why the Flexiguard Sensor Cable gives such an outstanding performance both in terms of false activation and detection.



The Flexiguard Sensor Cable operates by means of the TRIBOELECTRIC and PIEZO effects. This gives the most accurate signals available as the signals are generated only by an attack on the fence and not by the fence moving in the wind.

If you listen to the audio output from the cable it is incredibly clear, as all you are hearing is the fence and not the unwanted noise of wire or fibres rattling around inside the sensor cable.

The unique construction of the Flexiguard Sensor Cable, in particular the use of POLYTETRAFLOUROETHYLENE (TEFLON) allows it to operate at both extremes of the temperature scale. Teflon can withstand up to 200°C. An elevated temperature range of operation is essential in many continents such as the Middle East, Far East and Tropics. The Flexiguard Sensor Cable can withstand direct sunlight for many, many years without any loss of performance, which does happen with other sensor cables.

FLEXIGUARD SENSOR CABLE



For added mechanical protection the Flexiguard Sensor Cable is available in a Roundlock Stainless Steel Flexible Conduit. The Roundlock construction gives an incredibly strong conduit while maintaining great flexibility. It is extremely discrete, being only 6mm in diameter. It small size also makes it very easy to install.



Specifications

Cable Type2 Conductor Coaxial Sensor

Colour Grey

Detection Able to detect movement as small as one

thirty nine millionth of an inch

Half life sensitivity 40 years

Outside diameter 2.8mm

Maximum zone length 300 metres

Sensitivity Equal over entire length

Repair method EMC Screened jointing box, Type FS420

Supervision Constant Impedance Monitoring. Tamper

alarm is activated by disconnection, cutting

or shorting.

Operating Temperature -40?C to +85?C

Attachment Ultra-violet resistant cable ties, type FS400

or plastic extrusion type FS407