

Armored Vibration Sensor Cable



- Passive vibration sensor cable.
- Fully wrapped by stainless steel mesh.
- 8 Levels of Sensitivity.
- Easy to install, no specific tools, no calibration.
- Sensitivity calibration per zone by dip switches.



IRONCLAD

SENSOR

The **IRONCLAD** is a passive vibration sensor cable specifically designed for outdoor installation on various types of perimeter barriers such as chain link fence, welded mesh fence and razor coil or concertina coil.

The **IRONCLAD** sensor line is fully wrapped by stainless steel wire mesh acting as protection layer. Due to its appearance and unique characteristic, the **IRONCLAD** is an armored sensor cable that fits for installations directly on the fence without any additional conduits

The **IRONCLAD** offers a solution for intrusion detection by the analysis of typical vibration frequency made by a forced entry attempt. The system can recognize intrusion attempts caused while ignoring signals caused by weather conditions, preventing nuisance alarms.



SPECIFICATIONS:

Single/Dual Zone Microcontroller Module.

Operating Power Requirements:

- 15 – 19VDC 40mA @ 15VDC

Lightening Protection:

- Gas Discharge Devices on all Inputs/Outputs & Communication line.

Alarm Outputs:

- Intrusion and Line monitoring output for each zone.
- Dry contact relays with N.O. and N.C. contacts rated 1A @ 12VDC.
- Alarm transmission via RS-485 Protocol.

Alarm Indicators:

- Power Status LED.
- Alarm Relay Status LED.
- Tamper Indication LED.

Connector:

F type Coax connection Sensor Cable Inputs for each zone.

Packaging:

- 1,000ft (305m) 13.78"dia 9.84" (35dia25h) Wood spool
- Weight: 44.53lbs (20.2Kg)
- 500ft(152m) 13.38'x11.41'x11.811 '(34x29x30cm) Box
- Weight: 22.70lbs (10.3Kg)

Sensitivity:

- 8 Levels of sensitivity
- Sensitivity change by dip switches.
- Led strip indication for sensitivity level

Enclosure:

- NEMA 4x, IP-66
- 9.5" x 7.5" x 2.75" (24cm x 19.5cm x 7.0cm)
- Weight: 2.2 lbs (1Kg)

Environment:

- Operating Temperature: - 40°F to 176°F (-40°C to 80°C)
- Relative Humidity up to 98% non-condensing.

Sensor Cable & Accessories:

- Maximum length per zone: 1000ft (305m).
- Outer skin steel mesh
- Diameter: 0.197" (5mm).
- Color: Silver
- UV resistant cable ties (610 per Zone)

Options:

- RS485: Intrudalert 6500 Protocol.
- **VX-25: Weather Compensation Unit.**
- Armored Conduit: Vandal Resistant.



RBtec, innovator solution provider
for perimeter intrusion detection systems.

In keeping with our policy of continuous development we reserve the right to alter these specifications without notice.