

BLACKFEET CABLE PLUS



Kit 50m 100m 150m 200m 300m

MAGNETOPHONIC CABLE SYSTEM FOR THE PROTECTION OF WALLS AND RIGID OR FLEXIBLE FENCES

IP-READY PoE

UP TO 300M KIT

PLUG & PLAY

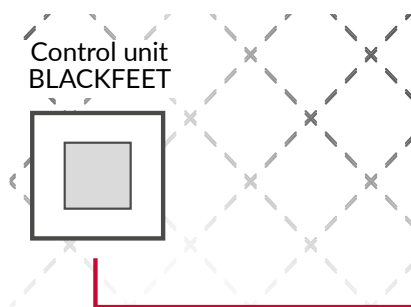
15 YEAR CABLE LIFE



The BlackFeet is a linear magnetophonic sensor cable that provides high detection capability, ease of installation, reduced false alarms, and robust long-term reliability, making it ideal for perimeter protection of secure sites.

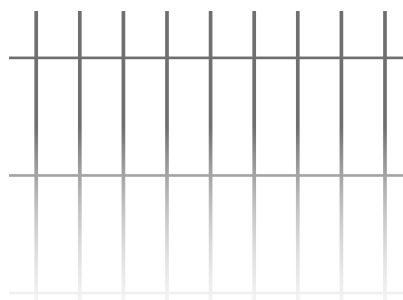
Flexible Fence

Detection height: up to 2.2m



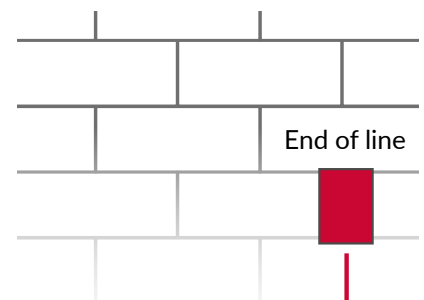
Rigid Fence

Detection height: up to 3m



Wall

Detection height: up to 2m



Up To 300m

Product Description

The BlackFeet is a linear magnetophonic sensor cable designed to define the perimeter protection of a secure site, offering high detection capability on fences or walls.

Easy Installation

Despite its sophistication, the BlackFeet is easy to install and comes pre-assembled in kits of 50/100/150/200/300 meters, including the analyzer, cable, ties, and line terminations.

Operation

The sensor cable uses a linear induction generator with concentric conductors and flexible ceramic magnetic profiles to detect mechanical vibrations caused by intrusion activities.

False Alarm Reduction

The BlackFeet incorporates a mechanical vibration reduction system to eliminate false alarms, enhancing detection capability without compromising resilience to environmental noise.

Technical Specifications

The sensor cable features balanced twisted conductors for shielding against electromagnetic interference.

The analyzer is designed to exclude temporary obstructions and ensure lightning immunity. The sensor's low impedance provides high-quality audio signals, while the polymer sheath protects against ultraviolet solar radiation.

Reliability and Durability

The cable components are selected to ensure an MTBF (Mean Time Between Failures) exceeding 80,000 hours, guaranteeing consistent performance over time even in extreme temperature conditions.

Availability

Kits of 50/100/150/200/300 meters (including analyzer, cable, ties, and line terminations).

SENSOR CABLE SPECIFICATIONS

CABLE DIAMETER	7mm
COATING COLOR	Black
COATING MATERIAL	Low-density polyethylene (LDPE)
UV-RESISTANT COATING DURABILITY	Over 15 years (equatorial exposure)
ELECTROSTATIC SHIELD	Aluminum/Mylar composite tape
OPERATING TEMPERATURE	-40°C/ to +90°C
RELATIVE HUMIDITY TOLERANCE	100% condensation
WEIGHT	82 g/m
MINIMUM BENDING RADIUS	100mm
MAXIMUM APPLICABLE TORSION FORCE	6 Kg
ELECTROSTATIC SHIELDING FACTOR	100%
MEAN TIME TO REPAIR (MTTR)	15 minutes
MEAN TIME BETWEEN FAILURES (MTBF)	Over 80,000 hours



ANALYZER SPECIFICATIONS

ANALYZER POWER SUPPLY	10-24Vdc
ANALYZER POWER CONSUMPTION	45mA @ 12Vdc
ANALYZER DIMENSIONS	122x122x80mm
LINE TERMINATION DIMENSIONS	26 mm (Diameter) x 75 mm (Length)
OPERATING TEMPERATURE	-40°C/ to +70°C
ALARM AND TAMPER OUTPUTS	Solid-state relay, maximum 350V AC/DC, 120mA, 350mW
INTERNAL CONTROLS	Rotary selectors for channel adjustment, sensitivity to cutting and climbing, cut event count, and cut event time window
ACOUSTIC ALARM DEVICE	Automatically activated when the cover is removed
AUDIO MONITORING OUTPUT	Connection for audio monitoring with single termination
ENVIRONMENTAL PROTECTION RATING	IP65 for the line termination and analyzer
SECURITY GRADE	EN50131-1 Grade 3