



Alpha cable

Detection / Sensor cable

The Alpha sensor cable is the core of Heras' Microphonic PIDS systems, designed for enhanced perimeter security.

Its magnetic construction has a number of key components/ techniques to ensure very accurate intruder detection:

- Lubritube - specially lubricated tubes that enable accurate detection
- Overlapping aluminium shielding tape and twisted pair cabling provides an effective resistance to EMI
- Linear detection along the entire perimeter to eliminate security blind spots
- Detects virtually all malicious attacks up to 1.5 m above and below sensor the installation on fence, wall or across a roof

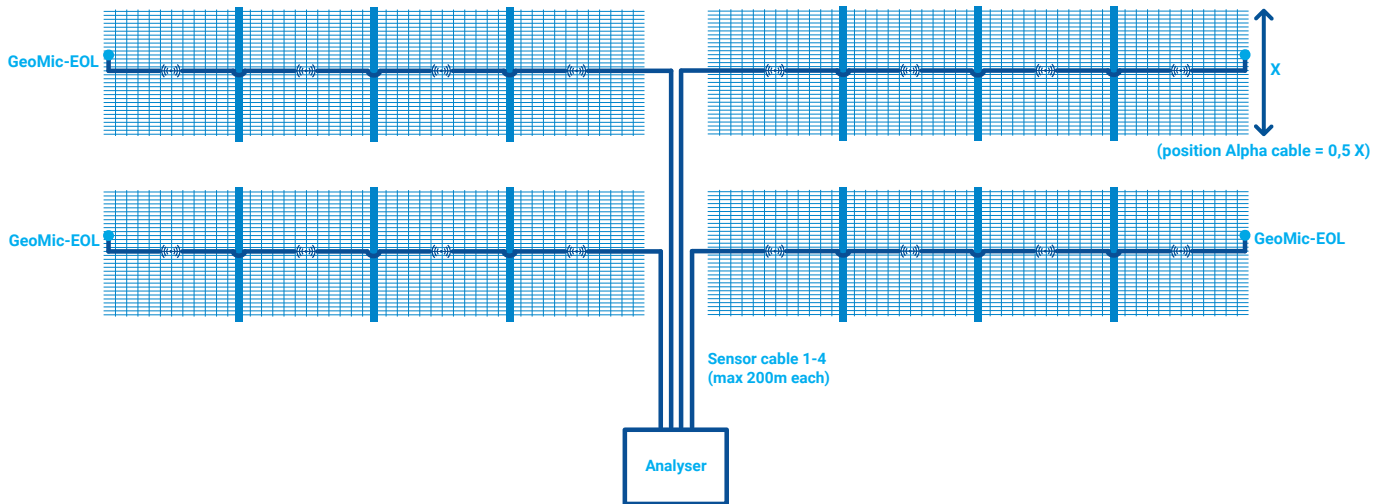
Alpha cable types are available with:

- UV-resistant polyethylene sheath for fixing to fence lines
- Flexible stainless steel conduits for high security sites and installation in razor wire

The optimum product for CNI and high security locations when used with Heras' superior quality GeoMic analysers.

- **Proven and reliable detection**
- **Superior audio clarity to other detection methods**
- **Robust and weather resistant**
- **EMI immunity**
- **Simple and fast installation and repair**

Technical diagram



Technical specifications

Cable outer diameter	GDALPHA: 6.5 mm GDALPHA-FAC-HS: 12 mm GDALPHA-TJ: 7.15 mm GDALPHA-IS: 6.8 mm
Sheath material	GDALPHA: Low density black polyethylene (UV resistant) GDALPHA-TJ: Off-white PVC GDALPHA-IS: Off-white PVC
Fixing mode	Direct fence mounting kit (supplied)
Capacitance	34 pF/m (between wires) 138 pF/m (between wires and screen)
Loop resistance	0.16 Ω/m @20°C
Storage temp	-60 to +80°C
Operating temp	-40 to +80°C

Ordering information

Contact Heras for precise ordering details.