

# RFID SECURE KEY-RING

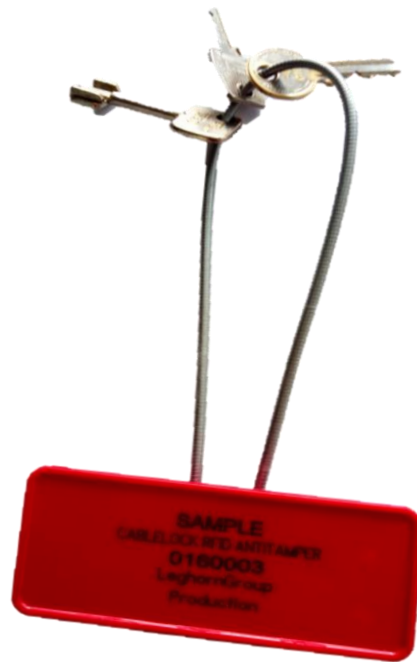
*RFID CABLE KEY RING uses radio frequency automatic identification with tamper evidence capability to enhance security.*

## RFID SECURE KEY-RING

- UHF RFID keychain with unique serial number that cannot be cloned. RFID technology provides automatic identification of key-rings and signaling of a possible tampering.
- It can be read rapidly and accurately (even when more key-rings are simultaneously transported in security bags) through fixed reading systems or through portable devices operated by the security personnel.
- The RFID chip is equipped with writable user memory and can also be used to store confidential information of the customer.
- One can easily write it by using standard read / write UHF RFID devices. The information can be password protected.
- Each of the seal tamper event is permanently stored in the chip memory.
- LINK TO THE VIDEOCLIP:

<https://www.youtube.com/watch?v=1ORQ6dPOIZA>

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**RFID SECURE KEY-RING** is a sturdy key ring in the shape of self-locking cable that offers a high degree of security through the use of RFID technology.

**RFID SECURE KEY-RING** embeds univocal electronic chip, which has a unique identifier and cannot be cloned, and the ability to report reliably and permanently a possible manipulation. This ensures that the service keys are protected against accidental losses or unwanted copies.

The stainless steel wire is highly resistant, with 3.5 mm diameter and a standard length of 330 mm (customizable), and presents a free end while the other end is connected. After inserting the keys, once fixed the cable, its length cannot be adjusted and any further accidental sliding of the cable itself cannot occur.

**RFID SECURE KEY-RING** plastic housing - customizable with laser marking and numbering on demand - is made of impact-resistant polystyrene.

**RFID SECURE KEY-RING** can be detected automatically at the moment when one or more key rings simultaneously transit through RFID gates or are read manually by an operator. Reading equipment and applications are available on request.

**RFID SECURE KEY-RING** is the ideal solution to ensure the security of the keys in every security service and control.



LeghornGroup srl

Protection - Control -  
Identification - Traceability

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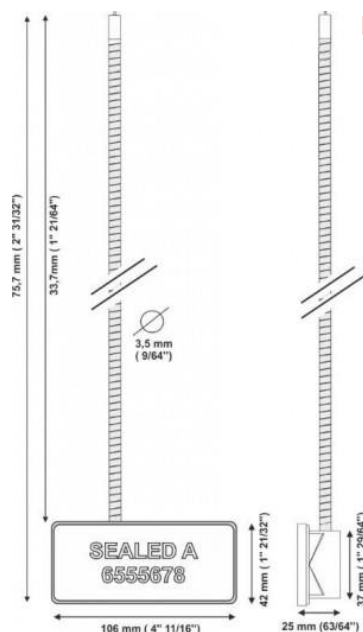
## Technical specification

### Radiofrequency specification

- Frequency: 860 – 960 MHz – UHF EPC Global
- Reference RF Standard: ISO/IEC 18000-6
- RF Protocol: EPC Class 1 Gen2 / ISO/IEC 18000-6C
- Technology: Passive
- Integrated circuit: NXP G2iM+
- User read / write memory: yes - up to 640 bit
- Memory size: from 128 bit up to 448 bit of EPC Memory
- TID (Tag Identifier): 96 bit, including 48-bit factory locked unique serial number; 112 bit User TID memory
- Password protection: yes
- Tamper Detection: yes
- Read / write cycle: 10000
- Data retention: 20 year

### Performance

- Reading distance by handheld reader: 3 m (118" 7/64") (depending on reader)
- Reading distance at gate reader: 8 m (314" 61/64") (depending on reader)
- Quality: 100% performance tested



### Mechanical specification

- IP Protection: IP65
- Operative Temperature: - 20°C / + 55 °C
- Storage Temperature: - 30°C / + 80 °C
- ISO 17712:2013: yes
- Size Electronic Part (flag): mm 42 x 115 x 4  
(1" 21/32" x 4" 17/32" x 5/32")
- Wire standard length: mm 337 (1" 21/64")
- Wire diameter: mm 3,5 (9/64")
- Weight: 61 g
- Material: carbonitrued steel + shock-proof polystyrene in accordance with Restriction of Hazardous Substances (RoHS), European Directive 2002/EC.