



Protection - Control - Identification - Tracking - Rfid solutions

www.leghorngroup.com

UHF RFID CABLE SEAL Tamper Evident

High level of security for
different applications



UHF RFID CABLE SEAL TAMPER EVIDENT



3.5x350mm

- ISO18000-6 UHF tag (EPCglobal Class 1 Generation 2)
- Unique ID (no replica)
- Read/write User Memory

Detection of two statuses:

- Closed – **Green light**
- Tampered – **Red light**



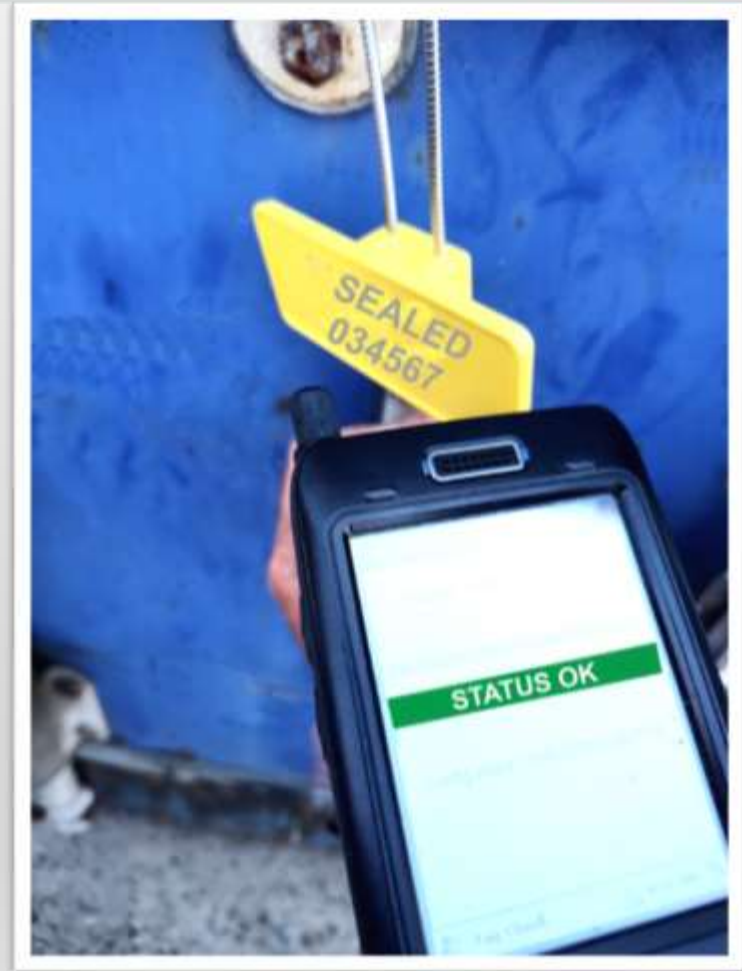


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Close = STATUS **OK**

When properly locked, the e-seal shows "OK" at RFID reading



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Cut = STATUS **TAMPER**

UHF RFID Tamper Evident seals show their tamper status of the seal, either BREACHED or INTACT.

Any tampering event with the seal is **permanently stored in its RFID chip's memory.**



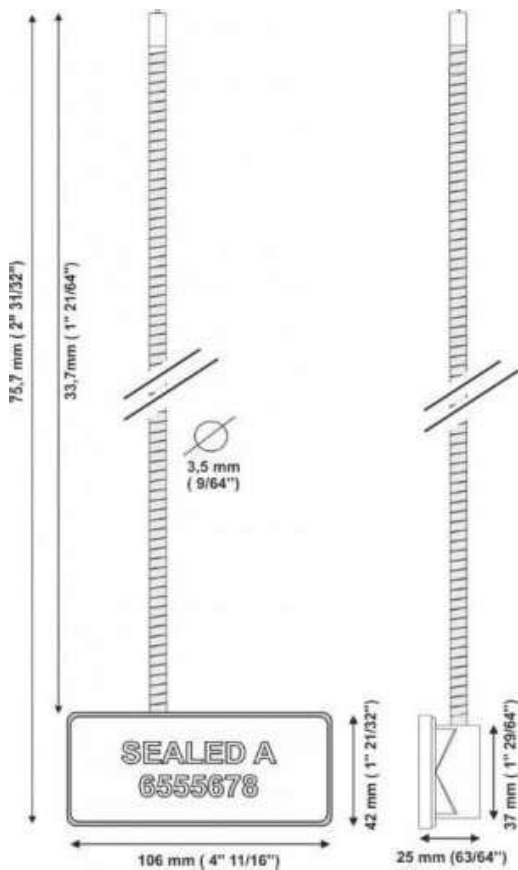
Radio Frequency Specification:

- Frequency: 860 – 960 MHz
- Reference RF Standard: ISO/IEC 18000-6C
- RF Protocol: EPCglobal Class 1 Gen2
- Technology: Passive NXP
- Integrated circuit: G2iM+
- User read / write memory: yes - up to 640 bit
- Memory size: from 128 bit up to 448 bit of EPC
- TID (Tag IDentifier): Memory 96 bit, including 48-bit
- Password protection: factory locked
- Tamper Detection: yes
- Read / write cycle: yes 10K
- Data retention: 20 year





Mechanical Specification:



- IP Protection : IP66
- Operative Temperature: - 20°C / +55°C
- Storage Temperature: - 30°C / +80°C
- Size Electronic Part (flag): mm 42 x 115 x 4 (1" 21/32" x 4" 17/32" x 5/32")
- Wire standard length: 350 mm (1" 21/64")
- Wire diameter: 3,5 mm (9/64)
- Weight: 61 g
- Material: carbonitrued steel + ABS in accordance with Restriction of Hazardous Substances (RoHS), European Directive 2002/EC

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



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Photos and drawings are purely indicative. - Made by LeghornGroup

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Field of action of LeghornGroup

-  **PROTECTION:** We can protect your goods and assets with security seals and various products for tamper protection. The company can create bespoke, technical solutions to meet client's requirements.
-  **CONTROL:** We ensure goods and people can be monitored using security products and integrated complete hardware and software solutions that allow the operator to monitor and intervene in real time, even remotely.
-  **IDENTIFICATION:** LeghornGroup's understanding of authentication along with their innovative technical products and solutions allow users to uniquely and securely identify, goods, vehicles, containers, animals and people.
-  **TRACKING:** LeghornGroup's real time GPS tracking devices allow users to monitor location, status and movements of vehicles and people.
-  **RFID SOLUTIONS:** LeghornGroup also manufactures solutions for product authenticity; automatic identification systems using RFID to aid traceability of objects, animals and people, offering new and efficient operations to speed up the supply chain.



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