

## Electronic Cable Seal

### RAIN RFID Seal

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- Security Seal for trucks, trailers and containers
- RFID provides automatic identification of the vehicle and/or container
- It can be read quickly and accurately by static gateway reading systems or by handheld devices operated by check point personnel
- The RFID chip can also be used to store further information. The chip can be easily written by using RFID reader/writer device. Further information added at the chip itself can be password protected

#### RAIN RFID Tamper Evidence

- Any tampering event to the seal is permanently stored in chip's memory. This activates the TAG TAMPER ALARM, which immediately provides the status of the seal either TAMPER or NOT TAMPERED

#### General Info

RAIN RFID Electronic Seal with unique serial number.

Can be automatically detected when trucks/trailers/containers are on-the-go at gateways, by using RFID Gates: this makes gate in/gate out operations faster and more reliable and secure.

The Seal is available in tamper evidence version: the status of the seal (TAMPERED/NOT TAMPERED) is immediately detected and read at time of passing through the gate or by manual inspection.

CAEN RFID Cable Seal RFID combines mechanical security of standard seals with the electronic security offered by RFID.

The outer shock-proof polystyrene plastic housing of the seal - customizable with mark and numbering on request – embeds an unique electronic chip that has its own unique code which cannot be replicated. This allows for secure and reliable automatic identification of the seal applied to containers.

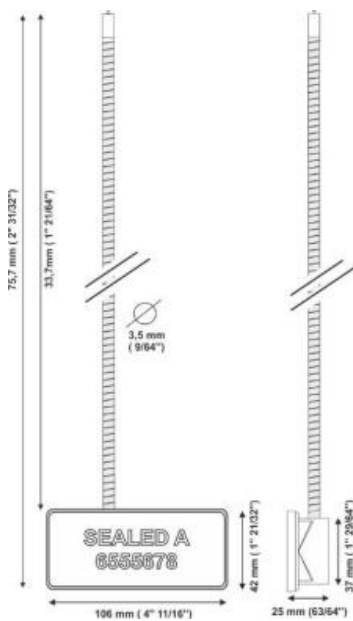
This high security seal is available in two product versions:

LOGISTIC CABLE SEAL – only identification with unique ID

ANTI TAMPER CABLE SEAL – identification with unique ID and read/write User Memories capabilities. It offers at the same time the immediate and accurate seal identification and the status of the seal (TAMPERED/NOT TAMPERED)

## Technical Specifications Table

<b>Tag Type</b>	Passive
<b>Standard Compliance</b>	EPC C1G2 / ISO18000-63
<b>EPC Memory Size</b>	128 bit up to 448 bit
<b>TID Memory Size</b>	96 bit, including 48-bit factory locked unique serial number; 112 bit User TID memory
<b>User Memory Size</b>	640 bit
<b>Access Control</b>	yes
<b>Memory Retention</b>	20 years
<b>Memory Endurance</b>	10000 cycles
<b>Read Range by Handheld Reader</b>	3m in air @ 1W ERP
<b>Read Range by Gate Reader</b>	8m in air @ 2W ERP
<b>Frequency</b>	860 MHz ÷ 960 MHz
<b>Integrated Circuit</b>	NXP G2iM+
<b>Tamper Detection</b>	yes
<b>Operative Temperature</b>	-20°C to +55°C
<b>Storage Temperature</b>	-30°C to +80°C
<b>IP Rating</b>	IP65
<b>ISO 17712:2013</b>	yes
<b>Electronic Part Size( Flag)</b>	(L) 42 x (W) 115 x (H) 4 mm <sup>3</sup>
<b>Standard Wire Length</b>	337 mm
<b>Wire Diameter</b>	3,5mm
<b>Weight</b>	61 g
<b>Material</b>	Carbonitured steel + shock-proof polystyrene in accordance with RoHS, European Directive 2002/EC



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