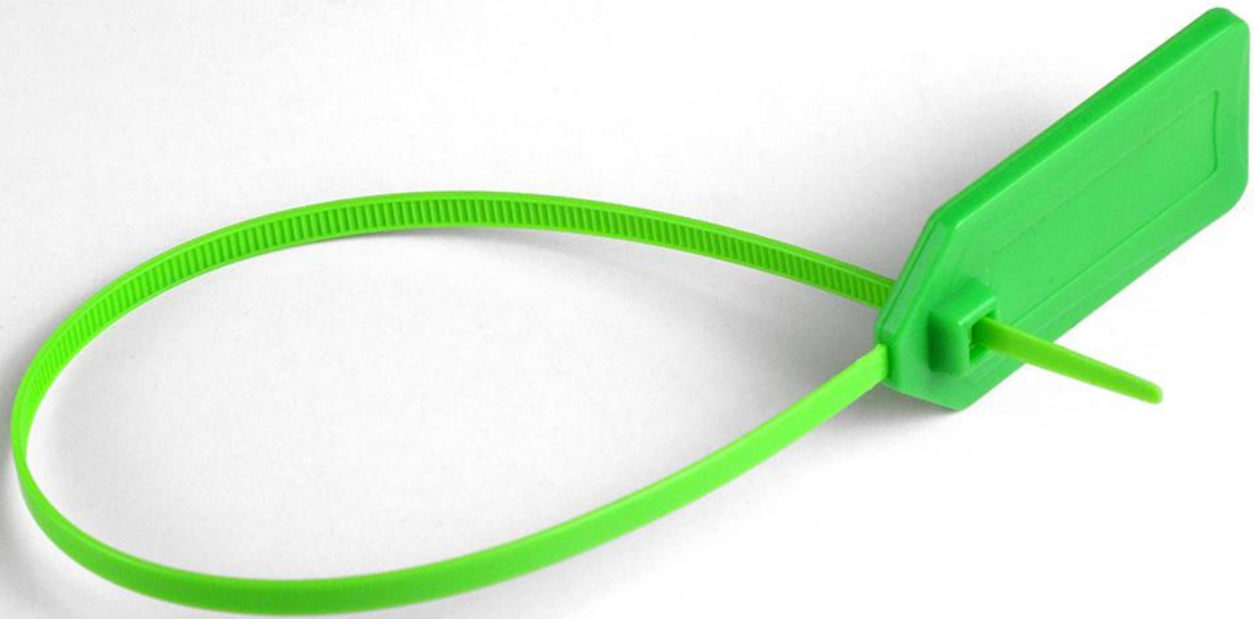




HT084 is a '**Seal tag**' — as it is typically used — made of nylon 66 (PA66), **a plastic material resistant to impacts, wear and weather.**

With its excellent abrasion resistance, flexibility and compactness, it is therefore ideal where **durable, secure and fast application of cable tie tags are required for non-metal surfaces.**

It measures 348 mm x 28 mm x 4 mm, weighs 6 grams and is **available in three frequencies: LF, HF, UHF.** Black or green, it can be

customised with a logo using silkscreen printing, while numbering is applied using laser technology.

## MARKETS

Compliant with **IP67**, it is dustproof and water resistant. It can also be submerged in water up to a depth of one metre for 24 hours. HT084 is a hard tag that can be applied to **identify parts or monitor asset management, logistics, manufacturing and general industrial activities, such as**

**supply-chain management or automotive production.**



frequency 125 kHz

## RFID features

| Chip             | Memory                   | ISO Standard      |
|------------------|--------------------------|-------------------|
| EM4100 or GK4100 | 0 bytes - UID: 8 bytes   | -                 |
| EM4102           | 0 bytes - UID: 8 bytes   | -                 |
| EM4200           | 0 bytes - UID: 8 bytes   | ISO 11784 / 11785 |
| EM4550 or TITAN  | 128 bytes - UID: 8 bytes | ISO 11784 / 11785 |
| EM4305           | 64 bytes - UID: 4 bytes  | ISO 11784 / 11785 |
| ATA5577 or T5567 | 36 bytes - UID: 8 bytes  | ISO 11784 / 11785 |
| Q5 or 5555       | 33 bytes - UID: 8 bytes  | ISO 11784 / 11785 |
| HITAG1           | 256 bytes                | -                 |
| HITAG2           | 32 bytes                 | ISO 11784 / 11785 |
| HITAG S 2048     | 256 bytes - UID: 4 bytes | ISO 11784 / 11785 |
| HITAG S 256      | 32 bytes - UID: 4 bytes  | ISO 11784 / 11785 |
| SIC279           | 16/24 bytes              | ISO 11784 / 11785 |



frequency 13.56 MHz

## RFID features

| Chip                              | Memory                    | ISO Standard | NFC Standard                             |
|-----------------------------------|---------------------------|--------------|------------------------------------------|
| RF81                              | 1024 bytes - UID: 4 bytes | ISO 14443 A  | Not supported by majority of NFC devices |
| FM11RF08                          | 1024 bytes - UID: 4 bytes | ISO 14443 A  | Not supported by majority of NFC devices |
| RF005                             | 64 bytes - UID: 7 bytes   | ISO 14443 A  | Not supported by majority of NFC devices |
| RF32                              | 4096 bytes - UID: 4 bytes | ISO 14443 A  | Not supported by majority of NFC devices |
| MIFARE CLASSIC 1K EV1 S50         | 1024 bytes - UID: 4 bytes | ISO 14443 A  | Not supported by majority of NFC devices |
| MIFARE CLASSIC 1K EV1 S50 7 BYTES | 1024 bytes - UID: 7 bytes | ISO 14443 A  | Not supported by majority of NFC devices |
| MIFARE CLASSIC 4K EV1 S70         | 4096 bytes - UID: 4 bytes | ISO 14443 A  | Type 2 - tag compliant                   |
| MIFARE ULTRALIGHT EV1-1           | 48 bytes - UID: 7 bytes   | ISO 14443 A  | Type 2 - tag compliant                   |
| MIFARE ULTRALIGHT EV1-2           | 128 bytes - UID: 7 bytes  | ISO 14443 A  | Type 2 - tag compliant                   |
| MIFARE ULTRALIGHT C               | 144 bytes - UID: 7 bytes  | ISO 14443 A  | Type 2 - tag compliant                   |
| MIFARE DESFIRE EV1 2K             | 2048 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV1 4K             | 4096 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV1 8K             | 8192 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV2 2K             | 2048 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV2 4K             | 4096 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV2 8K             | 8192 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV3 2K             | 2048 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |
| MIFARE DESFIRE EV3 4K             | 4096 bytes - UID: 7 bytes | ISO 14443 A  | Type 4 - tag compliant                   |

|                         |                                                           |                         |                                          |
|-------------------------|-----------------------------------------------------------|-------------------------|------------------------------------------|
| MIFARE DESFIRE EV3 8K   | 8192 bytes - UID: 7 bytes                                 | ISO 14443 A             | Type 4 - tag compliant                   |
| MIFARE DESFIRE LIGHT    | 640 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 4 - tag compliant                   |
| MIFARE PLUS SE          | 1024 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS 2K          | 2048 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS 4K          | 4096 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS X 2K        | 2048 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS X 4K        | 4096 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS EV2 2K      | 2048 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| MIFARE PLUS EV2 4K      | 4096 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| ATC1024-MV110           | 944 bytes - UID: 8 bytes                                  | ISO 15693               | Not supported by majority of NFC devices |
| ATC256-MV410            | 224 bytes - UID: 8 bytes                                  | ISO 15693               | Not supported by majority of NFC devices |
| ATC4096-MP311           | 4096 bytes - UID: 7 bytes                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| CTC4096-MP410           | 2984 bytes (advant) / 1002 bytes (prime) - UID: 4/7 bytes | ISO 14443 A             | Not supported by majority of NFC devices |
| CTC4096-MM410           | 2984 bytes (advant) / 1002 bytes (prime) - UID: 4/7 bytes | ISO 15693 - ISO 14443 A | Not supported by majority of NFC devices |
| EM4233                  | 256 bytes - UID: 8 bytes                                  | ISO 15693               | Not supported by majority of NFC devices |
| ICODE SLI-S             | 256 bytes - UID: 8 bytes                                  | ISO 15693               | Type 5 - tag compliant                   |
| ICODE SLIX              | 128 bytes - UID: 8 bytes                                  | ISO 15693               | Type 5 - tag compliant                   |
| ICODE SLIX2             | 316 bytes - UID: 8 bytes                                  | ISO 15693               | Not supported by majority of NFC devices |
| ICODE SLIX-S            | 160 bytes - UID: 8 bytes                                  | ISO 15693               | Type 5 - tag compliant                   |
| ICODE DNA               | 252 bytes - UID: 8 bytes                                  | ISO 15693               | Type 5 - tag compliant                   |
| MIM1024/PRIME           | 1024 bytes                                                | ISO 14443 A             | Not supported by majority of NFC devices |
| MIM256/PRIME            | 256 bytes                                                 | ISO 14443 A             | Not supported by majority of NFC devices |
| NTAG210                 | 48 bytes - UID: 7 bytes                                   | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG212                 | 128 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG213                 | 144 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG215                 | 504 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG216                 | 888 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG213 TT (TAG TAMPER) | 144 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 2 - tag compliant                   |
| NTAG413 DNA             | 32/128 bytes - UID: 7 bytes                               | ISO 14443 A             | Type 4 - tag compliant                   |
| NTAG424 DNA             | 416 bytes - UID: 7 bytes                                  | ISO 14443 A             | Type 4 - tag compliant                   |
| ST25TB512               | 64 bytes - UID: 8 bytes                                   | ISO 14443 B             | Type 4 - tag compliant                   |
| ST25TB04K               | 512 bytes - UID: 8 bytes                                  | ISO 14443 B             | Type 4 - tag compliant                   |
| ST25TB02K               | 256 bytes - UID: 8 bytes                                  | ISO 14443 B             | Type 4 - tag compliant                   |
| TAG-IT 256              | 32 bytes - UID: 8 bytes                                   | ISO 15693               | Type 5 - tag compliant                   |

|           |                           |           |                                          |
|-----------|---------------------------|-----------|------------------------------------------|
| TAG-IT 2K | 256 bytes - UID: 8 bytes  | ISO 15693 | Type 5 - tag compliant                   |
| MB89R118  | 2000 bytes - UID: 8 bytes | ISO 15693 | Not supported by majority of NFC devices |



European frequency (EU) 868 MHz - US frequency 920 MHz

## RFID features

| Chip         | Memory                                     | ISO Standard                     |
|--------------|--------------------------------------------|----------------------------------|
| HIGGS 3      | 64 bytes - TID: 8 bytes - EPC: 60 bytes    | ISO 18000-6C / EPC Class 1 Gen 2 |
| HIGGS 3 US   | 64 bytes - TID: 8 bytes - EPC: 60 bytes    | ISO 18000-6C / EPC Class 1 Gen 2 |
| HIGGS 4      | 16 bytes - TID: 8 bytes - EPC: 16 bytes    | ISO 18000-6C / EPC Class 1 Gen 2 |
| HIGGS 4 US   | 16 bytes - TID: 8 bytes - EPC: 16 bytes    | ISO 18000-6C / EPC Class 1 Gen 2 |
| HIGGS 9      | 86 bytes - TID: 6 bytes - EPC: 62 bytes    | ISO 18000-6C / EPC Class 1 Gen 2 |
| UCODE 7      | 0 bytes - TID: 12 bytes - EPC: 16 bytes    | EPC Class 1 Gen 2                |
| UCODE 7 US   | 0 bytes - TID: 12 bytes - EPC: 16 bytes    | EPC Class 1 Gen 2                |
| UCODE 8      | 0 bytes - TID: 12 bytes - EPC: 16 bytes    | EPC Class 1 Gen 2                |
| UCODE 8 US   | 0 bytes - TID: 12 bytes - EPC: 16 bytes    | EPC Class 1 Gen 2                |
| UCODE 8 M    | 4 bytes - TID: 12 bytes - EPC: 12 bytes    | EPC Class 1 Gen 2                |
| UCODE 9      | 0 bytes - TID: 12 bytes - EPC: 12 bytes    | EPC Gen 2 V2                     |
| UCODE G2IL   | 0 bytes - TID: 8 bytes - EPC: 16 bytes     | EPC Class 1 Gen 2                |
| UCODE G2IM   | 80 bytes - TID: 12 bytes - EPC: 32 bytes   | EPC Class 1 Gen 2                |
| UCODE DNA    | 3072 bytes - TID: 12 bytes - EPC: 56 bytes | ISO 29167-10 / EPC Gen 2 V2      |
| UCODE CITY   | 128 bytes - TID: 12 bytes - EPC: 28 bytes  | ISO 29167-10 / EPC Gen 2 V2      |
| UCODE TRACK  | 32 bytes - TID: 12 bytes - EPC: 56 bytes   | ISO 29167-10 / EPC Gen 2 V2      |
| MONZA R5     | 0 bytes - TID: 16 bytes - EPC: 16 bytes    | ISO 18000-6C / EPC Gen 2         |
| MONZA R6     | 0 bytes - TID: 12 bytes - EPC: 12 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA R6 US  | 0 bytes - TID: 12 bytes - EPC: 12 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA R6A    | 0 bytes - TID: 12 bytes - EPC: 12 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA R6B    | 0 bytes - TID: 12 bytes - EPC: 12 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA R6P    | 8 bytes - TID: 12 bytes - EPC: 16 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA R6P US | 8 bytes - TID: 12 bytes - EPC: 16 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA 4D     | 4 bytes - TID: 12 bytes - EPC: 16 bytes    | ISO 18000-63 / EPC Class 1 Gen 2 |
| MONZA 4D US  | 4 bytes - TID: 12 bytes - EPC: 16 bytes    | ISO 18000-63 / EPC Class 1 Gen 2 |
| MONZA 4E     | 16 bytes - TID: 12 bytes - EPC: 62 bytes   | ISO 18000-63 / EPC Class 1 Gen 2 |
| MONZA 4QT    | 64 bytes - TID: 12 bytes - EPC: 16 bytes   | ISO 18000-63 / EPC Class 1 Gen 2 |
| MONZA M730   | 0 bytes - TID: 12 bytes - EPC: 16 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| MONZA M750   | 4 bytes - TID: 12 bytes - EPC: 12 bytes    | ISO 18000-63 / EPC Gen 2 V2      |
| KX2005XG-B   | 164 bytes - UID: 24 bytes - EPC: 30 bytes  | ISO 18000-6C / EPC Class 1 Gen 2 |



European frequency (EU) 13.56 MHz + 868 MHz / US frequency 13.56 MHz + 920 MHz

## RFID features

| Chip                    | Memory                                                                                        | ISO Standard                            | NFC Standard                             |
|-------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|
| EM4423                  | 256 bytes - UID/TID: 8 bytes (HF) + 12 bytes (UHF) - EPC: 60 bytes (UHF)                      | ISO 15693 + ISO 18000-63 / EPC Gen2 V2  | Type 5 - tag compliant                   |
| EM4423 US               | 256 bytes - UID/TID: 8 bytes (HF) + 12 bytes (UHF) - EPC: 60 bytes (UHF)                      | ISO 15693 + ISO 18000-63 / EPC Gen2 V2  | Type 5 - tag compliant                   |
| MONZA R6P + ICODE SLIX2 | 8 bytes (UHF) + 316 bytes (HF) - UID/TID: 12 bytes (UHF) + 8 bytes (HF) - EPC: 16 bytes (UHF) | ISO 18000-63 / EPC Gen 2 V2 + ISO 15693 | Not supported by majority of NFC devices |



frequency 125 kHz + 13.56 MHz

## RFID features

| Chip                               | Memory                                                               | ISO Standard                    | NFC Standard                             |
|------------------------------------|----------------------------------------------------------------------|---------------------------------|------------------------------------------|
| MIFARE CLASSIC 1K EV1 S50 + EM4100 | 1024 bytes (HF) + 0 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)  | ISO 14443 A                     | Not supported by majority of NFC devices |
| MIFARE CLASSIC 1K EV1 S50 + EM4200 | 1024 bytes (HF) + 0 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)  | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| MIFARE CLASSIC 4K EV1 S70 + EM4200 | 4096 bytes (HF) + 0 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)    | ISO 14443 A + ISO 11784 / 11785 | Type 2 - tag compliant                   |
| MIFARE CLASSIC 1K EV1 S50 + T5567  | 1024 bytes (HF) + 36 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF) | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| MIFARE CLASSIC 4K EV1 S70 + T5567  | 4096 bytes (HF) + 36 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)   | ISO 14443 A + ISO 11784 / 11785 | Type 2 - tag compliant                   |
| MIFARE CLASSIC 1K EV1 S50 + 5555   | 1024 bytes (HF) + 33 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF) | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| MIFARE CLASSIC 4K EV1 S70 + 5555   | 4096 bytes (HF) + 33 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)   | ISO 14443 A + ISO 11784 / 11785 | Type 2 - tag compliant                   |
| RF81 + EM4200                      | 1024 bytes (HF) + 0 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)    | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| RF81 + T5567                       | 1024 bytes (HF) + 36 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)   | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| RF81 + 5555                        | 1024 bytes (HF) + 33 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)   | ISO 14443 A + ISO 11784 / 11785 | Not supported by majority of NFC devices |
| MIFARE DESFIRE 4K EV3 + EM4200     | 4096 bytes (HF) + 0 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)    | ISO 14443 A + ISO 11784 / 11785 | Type 4 - tag compliant                   |
| MIFARE DESFIRE 8K EV3 + EM4200     | 8192 bytes (HF) + 0 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)    | ISO 14443 A + ISO 11784 / 11785 | Type 4 - tag compliant                   |
| MIFARE DESFIRE 4K EV3 + ATA5577    | 4096 bytes (HF) + 36 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)   | ISO 14443 A + ISO 11784 / 11785 | Type 4 - tag compliant                   |

## Technical specifications

|                                   |                    |
|-----------------------------------|--------------------|
| Application                       | Non-metal surfaces |
| IP rating                         | 67                 |
| Dimensions                        | 348 x 28 x 4 mm    |
| Material                          | PA66               |
| Weight                            | 6 g                |
| Application method                | Seal tag           |
| Operation and storage temperature | -35°C ~ +75°C      |

## Customisation

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Colours           | Black, green; other colours available on request |
| Type of printing  | Silkscreen printing                              |
| Type of numbering | Laser technology                                 |

