Product number: 68854

NFC cable tie PVC - loop length 135 x 5,5 mm - NTAG213 - 180 byte - black



Product information

The black NFC cable tie combines mechanical fastening with an integrated NFC chip, which enables contactless reading of stored data. Potential applications include tool management, the unique identification of rental items such as bicycles, and the organization of cables and equipment.

Short description

- PVC Material, flexible
- Not suitable for metallic/conductive surfaces*
- Loop length: 135 x 5.5 mm, total length: 20 cm
- Indoor and outdoor use
- Ambient temperature -25 to +70 degrees
- NXP NTAG213 (NTAG213) - 180 bytes (NDEF: 137 bytes)

Product description

NFC product

This weather-resistant NFC cable tie is made of black PVC and is compatible with all standard NFC-enabled smartphones. With a total length of 200 mm, it has a usable loop length of 135 mm; the strap is 5.5 mm wide and 1.2 mm thick. The NFC chip is integrated near the clasp at the widest point of the housing (11 mm).

*Note: Since metal blocks the signal, the NFC chip should not be placed directly on a metal surface. Keeping a sufficient distance from metal ensures that the chip can be read without any problems.

NFC chip

NFC cable tie is equipped with the original NXP NTAG213 and offers a cost-effective entry into the NTAG21x series. The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. The NTAG213 has a total capacity of 180 bytes (free memory 144 bytes), of which 137 bytes are usable memory in the NDEF. Each individual chip has a unique serial number (UID) consisting of 7 bytes (alphanumeric, 14 characters). The NFC chip can be

written to up to 100,000 times and has a data retention period of 10 years. The NTAG213 has the UID ASCII mirror feature, with which the UID of the tag can be appended to the NDEF message, as well as an integrated NFC counter, which increases automatically when reading. Both functions are not activated by default. The NTAG213 is compatible with all NFC-enabled smartphones, the NFC21 tools and all ISO14443 end devices.

- Total capacity: 180 bytes
- Free memory: 144 bytes
- Usable memory NDEF: 137 bytes

Product properties

Product number	68854
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte)
Frequency	13.56 MHz
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Material	PVC
Storage temperature	Min -55°C - Max +125°C
Chip standards / ISO Norm	ISO 14 443-3 A , ISO 14 443-2 A
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Detail colour	black
Colour category	black
Compatibility	to NFC-enabled smartphones: 100%
Weight	7 g
Further links	ntag
Antenna	Aluminium
Type	Cable binder
NFC Forum Type	NFC Forum type 2
Water resistance	waterproof (IP67)

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