

### Detectable cable ties with integrated RFID transponder

#### MCTRFID – Low Frequency (LF) and High Frequency (HF)

Metal content RFID cable ties offer an innovative solution for unique and fast product identification thanks to the fitting of a transponder directly to the cable tie. The metal content RFID cable ties are made with a percentage of a metallic trace element (magnet/X-Ray) and have been especially developed for industries where the potential for foreign body contamination is a problem. The ties can be used for securing, serialisation, tracking and identification of products e.g. in the food processing or pharmaceutical industry to support quality control effort.

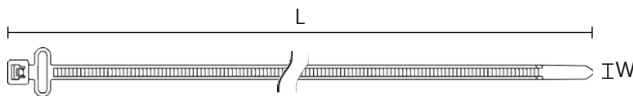
#### Features and benefits

- Magnetic or X-Ray detectable RFID cable ties (detection level depending on specific application)
- Total metal dispersion throughout the tie
- For safe handling of production processes
- Blue colour for easy visual detection
- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- Robust and resistant to harsh environments and cleaning processes
- Low frequency (LF – 125 kHz) - Read only
- High frequency (HF – 13.56 MHz) - Rewritable



MCTRFID – Detectable cable ties (metal content) with RFID transponder.

<b>MATERIAL</b>	Polyamide 6.6, with metal particles (PA66MP)	
<b>Frequency</b>	125 kHz (LF)	13.56 MHz (HF)
<b>Idle Temperature</b>	-40 °C to +85 °C	
<b>Operating Temperature</b>	-40 °C to +85 °C	-25 °C to +85 °C
<b>Flammability</b>	UL94 HB	



T50RFID, MCTRFID

TYPE	Frequency	Bundle Ø min.	Bundle Ø max.	Width (W)	Length (L)	N	Colour	Pack Cont.	Tools	Article-No.
MCTRFIDCLA	125 kHz (LF)	1.5	50.0	4.6	200.0	225	Blue (BU)	100 pcs.	6;54	111-01976
MCTRFIDCHA	13.56 MHz (HF)	1.5	50.0	4.6	200.0	225	Blue (BU)	100 pcs.	6;52-53	111-01676

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

= Minimum Loop Tensile Strength for Cable Ties (Newton)

Recommended Tools				
	6	52	53	54
	EVO7	RFID-DT22-HF	RFID-HS9BT-HF	RFID-HS9BT-LF
	554	521	520	520

For more information on toolings please refer to the Application Tooling chapter.



For product specific approvals and specifications please refer to the Appendix.