

RFID CABLE TIES

IDT CBLT



RFID



Low Cost



IP 68



Durable

RFID Cable Ties (IDT CBLT) are versatile tags available in HF (High Frequency), LF (Low Frequency), and UHF (Ultra-High Frequency) options. These cable ties are designed to be affixed on sacks or containers, enabling easy and reliable identification within a read range of 3cm to 8m, depending on the frequency used. They are widely deployed in industries such as aerospace, manufacturing, supply chain, logistics, and warehousing. With their easy attachment mechanism, they provide a convenient solution for asset tracking and management. The RFID technology integrated into these cable ties enhances security, helping prevent pilferage and ensuring the overall integrity of goods and assets.

PHYSICAL PARAMETERS

Dimension	Variable
Weight	20g ± 2
Encasement / Material	ABS Material / GI Wire (PVC, Nylon)
Packaging	Premium Plastic Packing

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Chemical Resistance	Resistant To Chemical Solvent and Moisture
Shock & Vibration	MIL STD 810-G
Attachment	Locking Mechanism
Sealing	IP 68

UHF PERFORMANCE

Working Frequency	125 KHz/134 KHz, 13.56MHz, 865 – 868 MHz / 902 – 928 MHz
Standard Protocol	ISO 14443A, ISO 15693, ISO/IEC 18000-6C, EPC Class 1 Gen 2v2
Chip Type	NTAG, MIFARE, ICODE, Alien Higgs-9, Impinj M700/800 Series, UCODE 9 chip
EPC Memory	Chip Dependent
TID Memory	Chip Dependent
Read Range Fixed Reader	Upto 10 cm (LF & HF) / Up to 8m (UHF)
Read Range Handheld Reader	Upto 3 cm (LF & HF) / Up to 5m (UHF)

PERSONALIZATION

Pre-Encoding	Customer Specific Encoding of EPC
Customized Printed	Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

ORDER INFORMATION

Part No.	IDT.RF.T.CBLT.BL (Blank) IDT.RF.T.CBLT.WP (With Print)
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APPLICATION AREA



Construction



Transportation



Manufacturing



Logistics



Warehouse



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