

ABB ELECTRIFICATION INSTALLATION PRODUCTS

End of Life Recycling Instructions

Ty-Rap®



PREPARED 2024-08-07 John Lewis	STATUS Approved	SECURITY LEVEL Public		
APPROVED 2024-08-26	DOCUMENT KIND			
OWNING ORGANIZATION ABB ELIP	DOCUMENT ID. PL-009 Ty-Raps	REV. A	LANG. en	PAGE 1/4

1. Product Description

Ty-Rap cable ties are primarily used to cinch wires and cables together to form a neat and organized bundle.

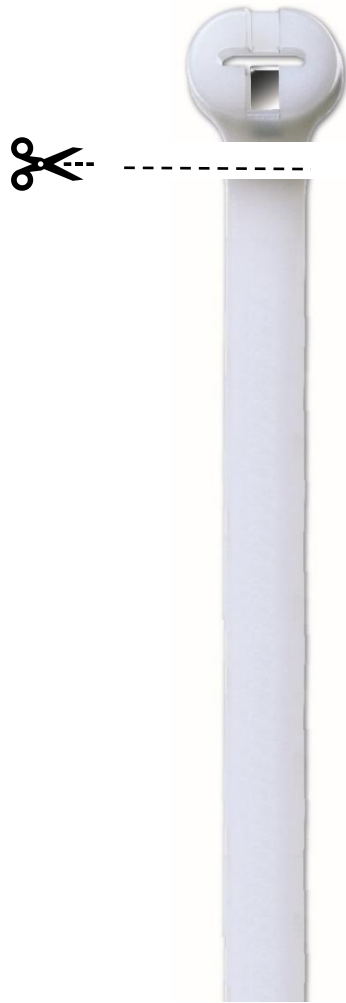
The Nylon 66 Ty-Rap cable tie portfolio has the following variabilities:

- Length: As low as 4” to as high as 30”
- Width: As low as 0.08” to as high as 0.28”



STATUS	SECURITY LEVEL	DOCUMENT ID.	REV.	LANG.	PAGE
Approved	Public	PL-009 Ty-Raps	A	en	2/4

2. Dismantling Instructions



Dismantling Instructions

- Remove Ty-Rap from its use location
- Separate the metallic piece from the polyamide by cutting along the above-dotted line.

3. Weight of main recyclable materials for a Ty-Rap

Part no	Material	Weight in g	Percentage of total weight	Recyclable
1	Polyamide 66	0.23-9.2	99.25%	Yes
2	Stainless steel	0.02	0.75%	Yes

STATUS	SECURITY LEVEL	DOCUMENT ID.	REV.	LANG.	PAGE
Approved	Public	PL-009 Ty-Raps	A	en	3/4

4. Presence of Critical Raw Materials

- Copper
- Tungsten
- Cobalt
- Nickel – battery grade
- Magnesium metal
- Platinum group metals; including iridium, palladium, platinum, rhodium and ruthenium
- Manganese – battery grade
- Natural graphite – battery grade
- Germanium
- Boron – metallurgy grade
- Rare earth elements for magnets; including neodymium, praseodymium, terbium, dysprosium, gadolinium, samarium and cerium
- Titanium metal
- Bismuth
- Gallium
- Lithium – battery grade
- Silicon metal
- No critical raw materials

5. Recycling Instructions

Once separated, the Ty-rap can be recycled as stainless steel and polyamide 66.

6. Disposal Instructions

The materials used in the components of PA66 Ty-Rap cable ties do not contain any chemicals regulated under RoHS and are safe for disposal.

STATUS	SECURITY LEVEL	DOCUMENT ID.	REV.	LANG.	PAGE
Approved	Public	PL-009 Ty-Raps	A	en	4/4