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**Ty-Rap®**

Detectable Cable Ties

## No more secret ingredients



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**Thomas&Betts**



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# No more secret ingredients

The new **Ty-Rap® Detectable Cable Ties** from Thomas & Betts incorporate a unique compound (patent pending) that can be detected by **X-Ray equipment, metal detectors** and **visual inspection equipment**.

They are particularly recommended for applications in food, pharmaceutical and other contamination-sensitive industries using detection systems, where cable tie installation residuals (cut tails) are not allowed in the finished product.

Help reduce the risk of product contamination – specify the new Ty-Rap® Detectable Cable Ties exclusively for your plant.

Another great aspect of the new **Ty-Rap® Detectable Cable Ties**: they help your business achieve a great step towards meeting the HACCP\* EU-directive. The HACCP is a systematic preventative approach to food safety that addresses physical, chemical and biological hazards as a means of prevention rather than finished product inspection.

## Main applications

- Food and beverage processing
- Pharmaceutical production
- Chemical and compounds manufacturing
- Tire and airbag manufacturing
- Any other contamination-sensitive industry using detection equipment

\* HACCP= Hazard Analysis Critical Control Points  
HACCP is a system, which identifies specific hazards and preventative measures for their control to minimize the risk of producing defective products and services.



## Features

- Detectable by metal detectors set at minimum 1.5 mm diameter ferrous sphere\*
- Detectable by X-Ray equipment\*\*
- Bright blue colour for an easy visual detection
- Help achieve the HACCP EU-Directive
- Halogen free
- Available in standard Polyamide 6.6 or in buoyant Polypropylene version for liquid-processing applications
- All the advantages of the standard Ty-Rap® cable ties as “The Grip of Steel” locking device which offers superior performance
- Available in 4 different sizes in convenient small bags with Euroslot

\* Tested by Thermo Electron Corporation, Minneapolis, MN, USA  
\*\* Tested by Smiths Detection, Alcoa, TN, USA



## Ordering Information: Bright Blue Ty-Rap® Detectable Cable Ties

PRODUCT REF.	MATERIAL	LENGTH [mm]	WIDTH [mm]	BUNDLE DIA. FROM...TO [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
TY523M-NDT	Polyamide 6.6	92	2.4	2-16	80	100	ERG50
TY525M-NDT	Polyamide 6.6	186	4.8	3.5-45	220	100	ERG50 / ERG120
TY528M-NDT	Polyamide 6.6	360	4.8	3.5-102	220	100	ERG50 / ERG120
TY527M-NDT	Polyamide 6.6	340	7.0	6-90	540	50	ERG120
TY523M-PDT	Polypropylene	92	2.4	2-16	50	100	ERG50
TY525M-PDT	Polypropylene	186	4.8	3.5-45	130	100	ERG50
TY528M-PDT	Polypropylene	360	4.8	3.5-102	130	100	ERG50
TY527M-PDT	Polypropylene	340	7.0	6-90	270	50	ERG120

Temperature rating -40°C to +85°C

## Detection methods

### Metal Detection

Ty-Rap® Detectable Cable Ties have been tested and are rated at 1.5 mm diameter ferrous sphere setting. Therefore sensitive enough to be picked up by nearly every metal detector in service.



### X-Ray Detection

X-Rays are the future of the detection industry. Depending on the density of the product being verified, Ty-Rap® Detectable Cable Ties reach an impressive differential of between 200 and 2000 on the X-Ray grey scale.



### Visual Detection

Visual detection systems detect surface irregularities and volume changes. This method is often used in beverage and chemical processing plants. The bright blue colour ensures an easy visual detection.

