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## No more secret ingredients



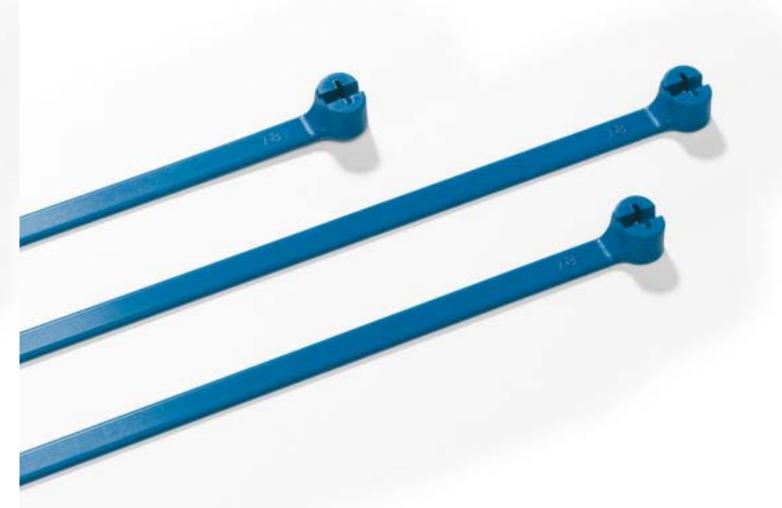






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# No more secret ingredients

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.



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

PRODUCT REF.	Material	LENGTH [mm]	<b>W</b> IDTH [mm]	Bundle Dia. FromTo [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	Tooling
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	FRG120

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.

#### **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





