



Ty-Rap® Detectable Cable Ties
Detectable by metal detectors

Ty-Rap®

Power and productivity
for a better world™ **ABB**

Ty-Rap® Detectable Cable Ties

No more secret ingredients

The Ty-Rap® detectable cable ties and accessories from ABB incorporate a unique patented compound that can be detected by X-Ray equipment, metal detectors and visual inspection equipment.



Those products are particularly recommended for applications in food, pharmaceutical and other contamination-sensitive industries using detection systems, where cable tie installation residuals (cut tails) and/or accessories are not allowed in the finished product. By specifying the Ty-Rap® detectable cable ties and accessories of ABB for your plant you help reducing the risk of product contamination.

Another great aspect of the detectable products of ABB: they help your business achieve a great step towards meeting the HACCP* EU-directive. The HACCP directive 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.

The Ty-Rap® detectable cable ties and accessories made of detectable Nylon (NDT) and Polypropylene (PDT) are compliant to the FDA regulation, which means the products are intended for use in the proximity of food processing, handling and packaging operations.

Main applications for detectable products:

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

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, compliant to the FDA regulation
- Halogen free
- Available in standard Polyamide 6.6 (all references ending with NDT) or in buoyant Polypropylene (all references ending with PDT) 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 5 different sizes in convenient small bags with Euroslot

* HACCP= Hazard Analysis Critical Control Points

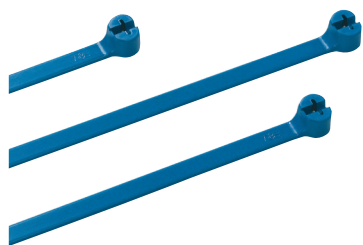
HACCP is a system, which identifies specific hazards and preventative measures for their control to minimize the risk of producing defective products and services.

** Tested by Thermo Electron Corporation, Minneapolis, MN, USA

*** Tested by Smiths Detection, Alcoa, TN, USA

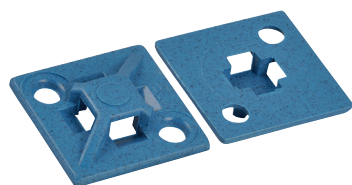
Ty-Rap® Detectable Cable Ties

Detectable Cable Ties and Accessories



Ty-Rap® - Detectable Cable Ties

GID Reference	Product ref.	Length	Width	Bundle diameter	Minimum tensile strength	Quantity	Tooling
			[mm]	from ... to			
7TAG009660R0029	TY523M-NDT	92	2,4	2 - 16	80	100	ERG50
7TAG009660R0031	TY524M-NDT	140	3,6	2 - 29	180	100	ERG50
7TAG009660R0032	TY525M-NDT	186	4,8	3,5 - 45	220	100	ERG50 / ERG120
7TAG009660R0036	TY528M-NDT	360	4,8	3,5 - 102	220	100	ERG50 / ERG120
7TAG009660R0034	TY527M-NDT	340	7,0	6 - 90	540	50	ERG120
7TAG009660R0030	TY523M-PDT	92	2,4	2 - 16	50	100	ERG50
7TAG009660R0033	TY525M-PDT	186	4,8	3,5 - 45	130	100	ERG50
7TAG009660R0037	TY528M-PDT	360	4,8	3,5 - 102	130	100	ERG50
7TAG009660R0035	TY527M-PDT	340	7,0	6 - 90	270	50	ERG120



2-way and 4-way entry mounting bases

GID Nummer	Product ref.	Mounting method	Width	Length	For tie width up to	Mounting hole diameter (2x)	Quantity
			[mm]	[mm]	[mm]	[mm]	[pieces]
7TAG009660R0023	TC5344A-NDT	self-adhesive*/screw	19,1	19,1	3,6	3	100
7TAG009660R0024	TC5344A-PDT	self-adhesive*/screw	19,1	19,1	3,6	3	100
7TAG009660R0013	TC344A-NDT	self-adhesive*/screw	19,1	19,1	3,6	3	1000
7TAG009660R0025	TC5347A-NDT	self-adhesive*/screw	29	29	7,6	4,4	100
7TAG009660R0026	TC5347A-PDT	self-adhesive*/screw	29	29	7,6	4,4	100
7TAG009660R0014	TC347A-NDT	self-adhesive*/screw	29	29	7,6	4,4	1000



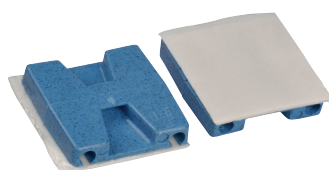
Saddle support

GID Nummer	Product ref.	Mounting method	Width	Length	For tie width up to	Mounting hole diameter	Quantity
			[mm]	[mm]	[mm]	[mm]	[pieces]
7TAG009660R0017	TC5141-NDT	screw	11,1	17	4,8	3,8	100
7TAG009660R0018	TC5141-PDT	screw	11,1	17	4,8	3,8	100
7TAG009660R0010	TC141-NDT	screw	11,1	17	4,8	3,8	500
7TAG009660R0019	TC5142-NDT	screw	14,2	23,4	7,6	5,2	100
7TAG009660R0020	TC5142-PDT	screw	14,2	23,4	7,6	5,2	100
7TAG009660R0011	TC142-NDT	screw	14,2	23,4	7,6	5,2	500



Screw-mounted miniature bases

GID Nummer	Product ref.	Mounting method	Width	Length	For tie width up to	Mounting hole		Quantity
			[mm]	[mm]		ø D1	ø D2	
7TAG009660R0015	TC5102-NDT	screw	12,7	19,1	4,8	4,4	8,7	100
7TAG009660R0008	TC102-NDT	screw	12,7	19,1	4,8	4,4	8,7	1000
7TAG009660R0009	TC102-PDT	screw	12,7	19,1	4,8	4,4	8,7	1000



Low profile plates

GID Nummer	Product ref.	Mounting method	Width	Length	For tie width up to	Quantity
			[mm]	[mm]	[mm]	[pieces]
7TAG009660R0021	TC5342A-NDT	self-adhesive*	29	29	4,8	100
7TAG009660R0022	TC5342A-PDT	self-adhesive*	29	29	4,8	100
7TAG009660R0012	TC342A-NDT	self-adhesive*	29	29	4,8	1000

* Surface preparation: surface should be cleaned with alcohol-based cleaner before application. Installation: Surface must be clean and dry prior to application of accessory. Allow 15-minute setting time for maximum adhesion performance of synthetic rubber adhesive (SRA).

Contact

Contact United Kingdom:

Thomas & Betts. A Member of the ABB Group

Wilford Road
Nottingham NG2 1EB
United Kingdom
Tel: +44 (0)115 964 3700
Fax: +44 (0)115 986 0538

www.tnb-europe.com
www.abb.com

Contact other countries - Customer Service:

Thomas & Betts. A Member of the ABB Group

European Customer Service / Distribution Centre
Boulevard du Millennium 8
7110 Houdeng-Goegnies
Belgium
Phone: +32 (0) 64 88 63 88
Fax: : +32 (0) 64 88 65 50

www.tnb-europe.com
www.abb.com

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