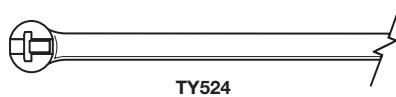




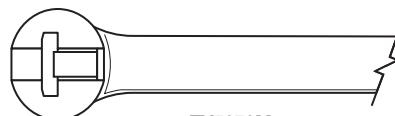
Tie body width .091"



Tie body width .140"



Tie body width .184"



Actual size body width .270"



Standard Nylon 6/6 Cable Ties

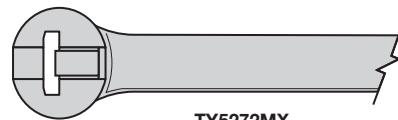
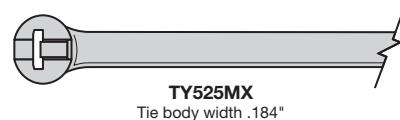
Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY523M	TY23M	.093	3.62	.625	MS3367-4	18	100	1000
TY52315M	TYB2315M	.092	7.00	1.500	—	18	100	1000
TY5232M	TY232M	.086	8.00	2.000	—	18	100	1000
TY5234M	TY234M	.086	14.00	4.000	—	18	100	1000
TY524M	TY24M	.140	5.50	1.125	MS3367-5	40	100	1000
TY5242M	TY242M	.140	8.19	2.000	—	40	100	1000
TY526M	TY26M	.140	11.10	3.000	—	40	100	1000
TY5244M	TY244M	.140	14.50	4.000	—	40	100	1000
TY525M	TY25M	.185	7.31	1.750	MS3367-1	50	100	1000
TY5253M	TY253M	.187	11.6	3.000	MS3367-7	50	100	1000
TY528M	TY28M	.187	14.20	4.000	MS3367-2	50	100	1000
TY5272M*	TY272M*	.270	8.75	2.000	—	120	50	500
TY527M†	TY27M†	.270	13.40	3.500	MS3367-3	120	50	500
TY5275M	TY275M	.270	18.00	5.000	—	120	50	500
TY5277M	TY277M	.270	24.30	7.000	—	120	50	500
TY529M	TY29M	.270	30.00	9.000	MS3367-6	120	50	500
TY53510M†	—	.320	35.00	10.000	—	175	50	—
TY54513M†	—	.320	45.00	13.000	—	175	50	—

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

†   Recognized Models.

• CSA Certified Natural 6/6 Nylon Cable Ties are suitable for use in air handling spaces in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC.

* Not CSA Certified



The MX series cable ties are recommended for outdoor use.
The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.



Nylon 6/6 Weather Resistant

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY523MX	TY23MX	.093	3.62	.625	MS3367-4	18	100	1000
TY52315MX	TYB2315MX	.092	7.00	1.500	—	18	100	1000
TY5232MX	TY232MX	.086	8.00	2.000	—	18	100	1000
TY5234MX	TY234MX	.086	14.00	4.000	—	18	100	1000
TY524MX	TY24MX	.140	5.50	1.125	MS3367-5	40	100	1000
TY5242MX	TY242MX	.140	8.19	2.000	—	40	100	1000
TY526MX	TY26MX	.140	11.10	3.000	—	30	100	1000
TY5244MX	TY244MX	.140	14.50	4.000	—	30	100	1000
TY525MX	TY25MX	.185	7.31	1.750	MS3367-1	50	100	1000
TY5253MX	TY253MX	.187	11.6	3.000	MS3367-7	50	100	1000
TY528MX	TY28MX	.187	14.20	4.000	MS3367-2	50	100	1000
TY5272MX[†]	TY272MX⁽¹⁾	.270	8.75	2.000	—	120	50	500
TY527MX[†]	TY27MX⁽¹⁾	.270	13.40	3.500	MS3367-3	120	50	500
TY5275MX	TY275MX^{**}	.270	18.00	5.000	—	120	50	500
TY5277MX	TY277MX^{**}	.270	24.30	7.000	—	120	50	500
TY529MX	TY29MX[*]	.270	30.00	9.000	MS3367-6	120	50	500
TY53510MX[†]	—	.320	35.00	10.000	—	175	50	—
TY54513MX[†]	—	.320	45.00	13.000	—	175	50	—

* For military compliance of weather resistant black 120 lb. ties, replace suffix X with O (ie. TY27M-0).

[†] Not Listed or Recognized Models. / (1) Not CSA Certified

^{**} CSA Certified

• CSA Certified Natural 6/6 Nylon Cable Ties are suitable for use in air handling spaces in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC.



Ty-Rap® Nylon 6/6 Cable Tie – Colour Assortment

Std. Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lb.)	Std. Pkg.
TY525M-CLRS	0.184	7.31	1.75	–	50	10

Cable ties are same size as TY525M shown above. 10 ties in each colour (black, brown, red, orange, yellow, green, blue, purple, grey & white) are packaged. 100 total cable ties per package.

The colors you need in convenient packs!

Ty-Rap® Nylon 6.6 Cable Ties —



- Construction — nylon 6.6, 316 stainless steel locking device



Std. Pkg. Cat. No.	Bulk Pkg. Cat. No.	Description	Length (in./mm)	Tensile Strength (lb./n.)	Std. Bulk Qty
–	TY525M-CLRS	Multi-Coloured, Natural Nylon, (10 each of standard ten colours)	7.31/185.67	50/222.40	100 Ties
–	TY25M-0	Black, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-1	Brown, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-2	Red, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-3	Orange, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-4	Yellow, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-5	Green, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-6	Blue, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-7	Purple, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-8	Grey, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties
–	TY25M-9	White, Natural Nylon	7.31/185.67	50/222.40	1,000 Ties

For use in temperatures ranging from -40° F to 185° F (-40° C to 85° C)

- UL Listed Natural 6.6 Nylon Cable Ties are suitable for use in air handling spaces (plenums) in accordance with Section 300.22 (C) & (D) of the National Electrical Code.

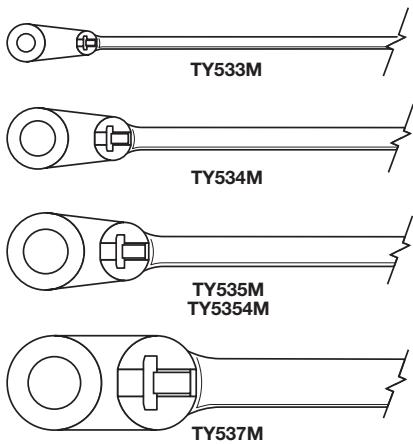
- 100 standard ties in black, brown, red, orange, yellow, green, blue, purple, grey and white (10 each)

- Recommended tooling — ERG-50, WT1-TB

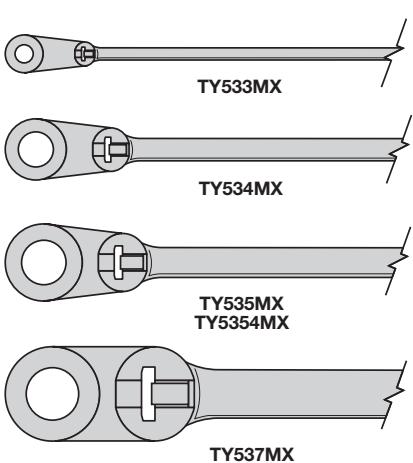
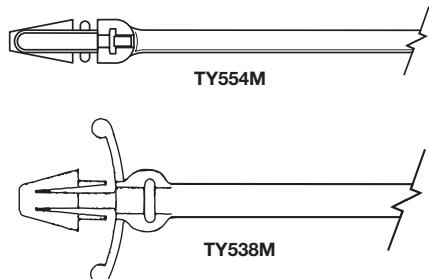
Natural nylon is standard. For coloured Ty-Rap® ties, add the following suffix numbers to catalogue numbers.
Example: TY25M-2 would be read TY25M. (Consult customer service for ordering information.)

COLOR	SUFFIX NO.	COLOR	SUFFIX NO.	COLOR	SUFFIX NO.	COLOR	SUFFIX NO.
■ Black (outdoor)	X	■ Red	2	■ Green	5	■ Gray	8
■ Brown	1	■ Orange	3	■ Blue	6	□ White	9
		■ Yellow	4	■ Purple	7		

**How to Order Coloured
Ty-Rap® Cable Ties
and Accessories**



- Great for use with screws, nuts and bolts for secure fastening to surfaces.



The MX series cable ties are recommended for outdoor use. The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.

Ty-Rap® Mounting Head Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Mounting Hole	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY533M	TY33M	.091	4.00	.625	#4	18	100	1000
TY534M	TY34M	.140	6.00	1.125	#8	40	100	1000
TY535M	TY35M	.184	7.80	1.750	#10	50	100	1000
TY5354M	TY354M	.184	14.60	4.000	#10	50	100	1000
TY1435M	—	.189	7.8	1.77	.248	50	—	1000
TY635M	—	.189	7.8	1.77	.138	50	—	1000
TYF535M	TYF35M	.189	7.24	1.77	.138	50	100	1000
TY537M	TY37M	.301	13.90	3.500	1/4	120	50	500

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

Ty-Rap® Push Mount Cable Ties

For use in 3/16" and 1/4" pre-drilled holes. Thickness panel .094 max. (TY554M) Range .04 - .156 (TY538M)

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Mounting Hole	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY554M	TY54M	.140	5.96	1.125	3/16	40	100	1000
TY538M	TY38M*	.184	7.80	1.750	1/4	50	100	1000

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

* Nylon 6/6 UV weather resistant version available (TY38MX).

Nylon 6/6 Weather Resistant

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Mounting Hole	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY533MX	TY33MX	.091	4.00	.625	#4	18	100	1000
TY534MX	TY34MX	.140	6.00	1.125	#8	40	100	1000
TY535MX	TY35MX	.184	7.80	1.750	#10	50	100	1000
TY5354MX	TY354MX	.184	14.60	4.000	#10	50	100	1000
TY538MX	TY38MX	.184	7.80	1.750	1 $\frac{1}{4}$	50	—	1000
TY537MX	TY37MX	.301	13.90	3.500	1 $\frac{1}{4}$	120	50	500

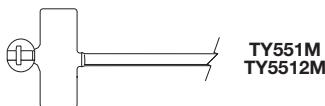
Note: The base catalogue number for Ty-Rap® cable ties is for natural (non-coloured) nylon without the UV-stabilizing additive, which is not suitable for outdoor use. For coloured UV-stabilized nylon Ty-Rap® cable ties, add the following suffix numbers to the base catalogue numbers. For example, TY25M is natural (non-coloured) nylon for indoor use only, while TY25M-2 is red UV-stabilized nylon for indoor or outdoor use. (Consult customer service for ordering information.)

ULTRAVIOLET
RESISTANT

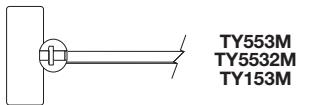
How to Order Colour-Coded Ty-Rap® Ties and Accessories

Colour	Suffix No.	Colour	Suffix No.
Black	X	Blue	6
Brown	1	Purple	7
Red	2	Grey	8
Orange	3	White	9
Yellow	4	Beige	22
Green	5		

NEW!



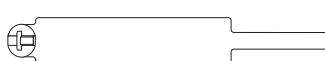
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TY5512M



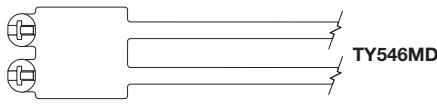
TY553M
TY5532M
TY153M



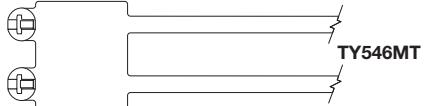
TY546M



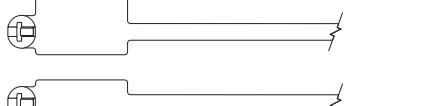
TY548M



TY546MD



TY546MT



TY546MF

Ty-Rap® Identification Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Total Length (in.)	Max. Wire Bundle Dia. (in.)	Military Standard Part No.	Marking Pad Size (in.) W x H	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TY551M	TY51M	.093	3.60	0.625	MS3368-5	1 x .313	18	100	500
TY5512M	TY512M	.090	8.30	2	—	1 x .313	18	100	1000
TY553M	TY53M	.093	4.00	0.625	—	.813 x .359	18	50	500
TY5532M	TY532M	.090	8.40	2	—	.813 x .359	18	100	1000
—	TY153M	.097	4.35	0.625	—	.781 x 1	18	—	500
TY546M	TY46M	.184	7.1	1.75	MS3368-1	.5 x .875	50	100	1000
TY548M	TY48M*	.187	14.2	4	MS3368-2	.5 x 2.125	50	100	1000
TY546MD	TY46MD*	.185	7.25	1.75	MS3368-3	1.172 x 1	50	50	500
TY546MT	TY46MT*	.185	7.25	1.75	MS3368-4	1.210 x 1	50	100	500
TY546MF	TY46MF	.185	7.25	1.75	—	2.48 x 1	50	—	500

Self-locking Ty-Rap® identification ties are available in both single and multiple configurations. They may be marked with the special Thomas & Betts black or red marking pen which produces a permanent legend, or they can be heat stamped. Because the ties serve the dual purpose of tying and identifying, you will achieve extra economies. They can be applied with the standard Ty-Rap® tying tools used for regular ties.

* Nylon 6/6 UV weather resistant version available (add suffix "x").



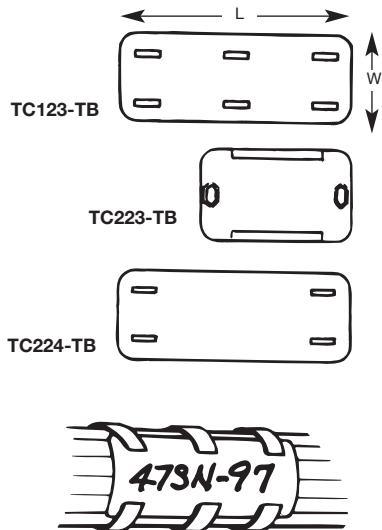
Custom Heat Stamping

Thomas & Bett's Custom Heat Stamping provides an economical way to fasten and identify cable bundles. Mark nylon cable ties, identification cable ties, and identification plates to suit your application.

- 1/16", 1/8", 3/16" characters available.
- Standard Type: Gothic Capitol.
- Character sizes can be mixed from line to line on Identification cable ties.
- Alphanumeric and Sequential numbering available.

- Six digit sequential numbering available in 1/8" characters.
- Eight digit sequential numbering available in 1/16" and 3/16" characters.
- The following colours of heat stamping are available – Black, Blue, Green, Red, Yellow, Orange and White.
- Special logos and different type styles can be accommodated when camera ready artwork is provided.
- Minimum order quantity is 3000 pieces per part number and message.

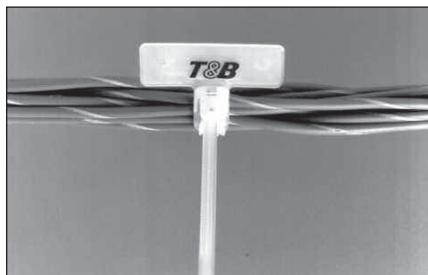
Contact your Regional Sales Office for Pricing, Availability, Quotation and Order Entry.



Identification Plates

Bulk Cat. No.	Width (in.)	Length (in.)	Thickness (in.)	Max. Cable Tie Width (in.)	Bulk Pkg.
TC123-TB	.75	1.25	.010	.190	1000
TC124-TB	.75	1.50	.010	.190	1000
TC125-TB	.75	1.75	.010	.190	1000
TC126-TB	.75	2.00	.010	.190	1000
TC128-TB	.75	2.50	.010	.190	1000
TC223-TB	.75	1.28	.015	.190	1000
TCZ223	.75	1.28	.015	.190	1000
TC224-TB	.75	1.28	.015	.190	1000
TC225-TB	.75	1.75	.015	.190	1000
TC226-TB	.75	2.00	.015	.190	1000
TC228-TB	.75	2.50	.015	.190	1000

Ranging in length from 1-1/4" to 2-1/2", the identification plates are secured to the cable with Ty-Rap® ties. They are composed of .010"- and .015"-thick nylon, and have a surface which can be marked easily. Thomas & Betts offers custom heat stamping of your plates at the factory. Other materials are available. Contact customer service.



Snap-On Identification Marker Tag

- Allows marking and bundling to be done in one operation.
- The marking can be made with a Thomas & Betts permanent marking pen (black or red); catalogue numbers: WT163M-1 (black), WT163M-3 (red).

- The identification tags are sold separately and can be conveniently snapped on the cable ties at the assembly location just before being installed on the bundle.

Std. Cat. No.	Bulk Cat. No.	Description	Marking Pad Size (in.) W x H	Std. Pkg.	Bulk Pkg.
TC523	TC23	Snaps onto the heads of all miniature 18 lb. series cable ties	1" x .35"	100	1000
TC524	TC24	Snaps on to the heads of all intermediate 30 & 40 lb. series cable ties	1" x .50"	100	1000
TC525	TC25	Snaps onto the heads of all standard 50 lb. series cable ties	1" x .50"	100	1000

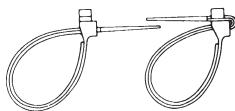
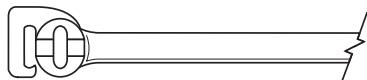
Note: Made of natural nylon 6/6.



Ty-Rap® Marking Pens

Cat. No.	Colour Ink	Std. Pkg.
WT163M-1	Black	1
WT163M-3	Red	1

Note: Permanent, fine point.



This Ty-Rap® brand cable tie lets you secure wire bundles up to 1-3/4 inches in diameter to all masonry surfaces. It is equipped with a masonry plug which is driven into the drilled hole. Once installed, the tail is looped through the head to provide a neat, safe, low-profile installation. It is made of black, weather-resistant nylon.



The Drive-Ty™ cable tie gives you a fast, safe means of securing cables to wood surfaces.



- One-piece design, fast and convenient to use.
- Lowers your installed cost.
- Clamping range of 1/16 to 2-3/8 inches reduces your inventory – one clamp replaces many.
- Visually attractive – head resembles rivet.
- Locking grooves maintain tight grip.

Reusable Ty-Rap® Cable Ties

Cat. No.	Body Width (in.)	Length (in.)	Bundle Dia. (in.)	Tensile Strength	Std. Pkg.
TYR505	.184	7.50	1.75	50	100
TYR508	.184	14.30	4.00	50	100

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

Plug-Ty™ Cable Tie for Masonry Surfaces

Cat. No.	Body Width (in.)	Max. Wire Bundle Dia. (in.)	Masonry Hole Size	Pullout Force	Std. Pkg.
TY544MX	.184	1.75	1/4	25	50

Drive-Ty™ Cable Tie

Cat. No.	Body Width (in.)	Max. Wire Bundle Dia. (in.)	Pullout Force	Std. Pkg.
TY545MX	.184	1.5	50	50

Universal Button Head Cable Tie

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Hole Size	Tensile Strength	Std. Pkg.	Bulk Pkg.
TY541M	TY41M	.225	9.60	2.37	.32-.68	65	50	1000
650-41600	–	.225	10.25	2.5	.32-.68	65	500	1000
696-41848	–	.225	12.5	3	.32-.68	65	500	1000

Note: Loop tie through hole in frame, around electrical, hydraulic, or air hoses to be clamped, and through head. Tighten and cut off with Ty-Rap tool. Visually looks like a rivet.

Ty-Rap®

Cable Ties for Special Environments

Cable Ties – Material Selection Ordering Guide

Thomas & Betts offers Ty-Rap® cable ties and accessories in a wide variety of materials, each suited for specific environments. The purpose of this document is to assist you in choosing the best material for your particular application. The effects of weathering, flame, chemicals, extreme temperatures, and radiation on the different materials are clearly presented in the following tables to simplify this process. Once you have determined the most suitable material, you can choose from the wide variety of Ty-Rap® cable ties, identification ties, mounting bases, lashing ties, etc., offered by Thomas & Betts.

How to use Table 1:

Table 1 simplifies the material selection process by giving the relative performance ratings of the materials offered by Thomas & Betts. For example, if your application is in an extremely cold environment, four materials will answer your need: Fluoropolymer, nylon 12, Halar® +, and stainless steel. Then, cost may be your next most important criteria, so out of those four options, nylon 12 would be the most cost effective. However, if tensile strength is important, then stainless steel would be the better choice. Refer to tables 2 (page 38) and 3 (page 40-42) for more detailed information regarding physical properties of the materials and chemical resistance of the materials respectively.

It is extremely difficult to provide data on all the possible combinations or conditions that can occur. This information is based on data provided by the manufacturers of the specific materials listed and is provided only as a general guide. No specific recommendation is intended. As each application may differ, cable tie samples should be tested in the intended application by the user to determine suitability.

+ - Halar® is the trademark of Solvay Solexis, Inc.

TABLE 1

Available Materials

5 = Most Suitable 1 = Least Suitable

	Natural 66 Nylon	Weather Resistant 66 Nylon	Heat Stabilized Natural 66 Nylon	Flame Retardant 66 Nylon	Weather Resistant Nylon 12	Weather Resistant Polypropylene	Fluoro-polymer	Halar®	Stainless Steel	Weatherable Acetal
Ultraviolet Resistance	1	4	1	1	4	4	5	5	5	4
Radiation Resistance	1	1	1	1	1	1	4	4	5	1
Low Temperature	3	3	3	2	4	3	4	4	5	4
High Temperature	3	3	4	3	2	2	4	4	5	2
Flammability	3	3	3	4	1	1	4	4	5	1
Tensile Strength	3	3	3	3	2	1	3	3	5	2
Relative Cost	Low	Low	Low	Med	Med	Low	High	High	High	High
Chemical Resistance	See Table 3									



Heat Stabilized/Ultraviolet Resistant Cable Ties

Ty-Rap® Heat Stabilized/Ultraviolet (UV) Resistant Cable Ties are a durable, cost effective bundling solution designed to be used in special applications and in harsh environmental conditions. The new ties combine heat stabilizing and UV resistant materials to provide a better match for special applications both in outdoor and high temperature areas. These ties also provide a smooth, low profile look and they offer unlimited tensioning range for a perfect fit. The convenience of a single tie for both applications keeps installation time and cost to a minimum. These ties are also an effective alternative to expensive metallic fasteners, which are priced higher and take longer to install. Remember to look for the oval head, which is featured on every original Ty-Rap® Cable Tie.

- Ideal for industrial OEM and MRO (includes, but not limited to industrial, lawn/garden/farming equipment, recreation vehicles, heavy equipment)
- Can be placed in environments requiring heat stabilized and UV resistance
- Provides a smooth, low profile look and offers unlimited tensioning range for a perfect fit
- Features an oval head on every original Ty-Rap® Cable Tie
- Quicker to install and less expensive than metallic fasteners, lacing cord or tape
- Made of heat stabilized nylon
- UV Resistant
- Black Colour
- Temperature Rating: (-40°F/-40°C) to (221°F/105°C)
- UL Recognized



Ty-Rap® Heat Stabilized/UV Resistant Cable Ties

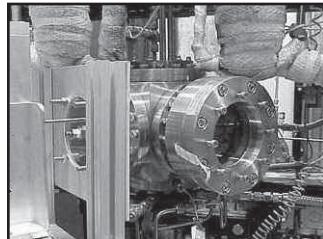
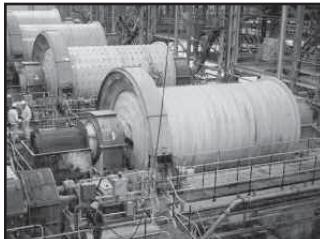
Cat. Number	Description	Std. Pkg. Qty.	UPC Number
TY23MX-A	Ty-Rap® Cable Ties, Heat Stabilized and UV Resistant Black Nylon, 3.62" length, 18 lb. tensile strength	1000 Per Bag	78621081641
TY24MX-A	Ty-Rap® Cable Ties, Heat Stabilized and UV Resistant Black Nylon, 5.5" length, 40 lb. tensile strength	1000 Per Bag	78621081615
TY25MX-A	Ty-Rap® Cable Ties, Heat Stabilized and UV Resistant Black Nylon, 7.31" length, 50 lb. tensile strength	1000 Per Bag	78621081636
TY27MX-A	Ty-Rap® Cable Ties, Heat Stabilized and UV Resistant Black Nylon, 13.40" length, 120 lb. tensile strength	500 Per Bag	78621081642



Extra High Temperature Cable Ties

Ty-Rap® Extra High Temperature Cable Ties are designed to withstand extended usage in extra high temperature applications. The advanced nylon heat stabilizing material is suitable in an extra high temperature setting, thus reducing the need for expensive metallic fasteners. These ties also provide a smooth, low profile look and they offer unlimited tensioning range for a perfect fit. Ty-Rap® Extra High Temperature Cable Ties can save time, money and are a solid match for applications where extra high temperatures are present in the environment. Remember to look for the oval head, which is featured on every original Ty-Rap® Cable Tie.

- Ideal for industrial OEM and MRO (includes, but not limited to metal processing, paper mills, lighting and other high temperature environments) and commercial construction markets
- Provides a smooth, low profile look and offers unlimited tensioning range for a perfect fit
- Features an oval head on every original Ty-Rap® Cable Tie
- Made of extra high temperature nylon
- Light Green Colour
- Quicker to install and less expensive than metallic fasteners, lacing cord or tape
- Maximum continuous temperature rating in air: (-40°F/-40°C) to (302°F/150°C)



Ty-Rap® Extra High Temperature Cable Ties

Cat. Number	Description	Std. Pkg. Qty.	UPC Number
TYHT23M	Ty-Rap® Cable Ties, High Temperature Light Green Nylon, 3.62" length, 18 lb. tensile strength	1000 Per Bag	78621095267
TYHT25M	Ty-Rap® Cable Ties, High Temperature Light Green Nylon, 7.31" length, 50 lb. tensile strength	1000 Per Bag	78621095270
TYHT27M	Ty-Rap® Cable Ties, High Temperature Light Green Nylon, 13.40" length, 120 lb. tensile strength	500 Per Bag	78621095272
TYHT28M	Ty-Rap® Cable Ties, High Temperature Light Green Nylon, 14.20" length, 50 lb. tensile strength	1000 Per Bag	78621095271



Ty-Rap® Tote™

NEW!

4", 8", and 11"-14" Combination Length Cable Tie Dispensers

Keep Ty-Rap® cable ties at your fingertips with Ty-Rap® Totes™. Ty-Rap® Tote™ cable tie dispensers are a fast and easy way to store and dispense cable ties between 4", 8", 11"-14" in length. Clip one to your belt or tool pouch, and free your hands for the rigors of the job. Your Ty-Rap® cable ties will be easily accessible when and where you need them.

- Durable, lightweight polyester exterior and tough vinyl interior construction
- Rugged diamond-shaped cutout for easy access to cable ties (up to 8", 11"-14" lengths) and rectangular-shaped (for 4" length)
- Handy belt clip and chrome steel loop for easy attachment
- Resealable hook-and-loop flap for easy refill
- Includes 100 genuine Ty-Rap® cable ties
- Refilling is a cinch
- Cable ties at your fingertips
- Free your hands for the job
- No more lost ties or dropped bags

Ty-Rap® Tote™ Cable Tie Dispenser

Cat. Number	Description	Std. Pkg. Qty.	UPC Number
TY-TOTE-23	Ty-Rap® Tote™ 4" Cable Tie Dispenser (includes 1 pkg. TY523M)	1 Tote	78621095084
TY-TOTE-25	Ty-Rap® Tote™ 8" Cable Tie Dispenser (includes 1 pkg. TY525M)	1 Tote	78621083871
TY-TOTE-28	Ty-Rap® Tote™ 11"-14" Combination Cable Tie Dispenser (includes 1 pkg. TY528M)	1 Tote	78621097941
<i>Order only genuine Ty-Rap® Cable Ties to refill your dispenser!</i>			
TY523M	Ty-Rap® Cable Ties, Natural Nylon, 3.62" length, 18 lb. tensile strength (100 to a pkg.)	100 Ties	78621080507
TY523MX	Ty-Rap® Cable Ties, UV Resistant (Black), 3.62" length, 18 lb. tensile strength (100 to a pkg.)	100 Ties	78621080508
TY525M	Ty-Rap® Cable Ties, Natural Nylon, 7.31" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621080509
TY525MX	Ty-Rap® Cable Ties, UV Resistant (Black), 7.31" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621080510
TY5253M	Ty-Rap® Cable Ties, Natural Nylon, 11.6" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621086989
TY5253MX	Ty-Rap® Cable Ties, UV Resistant (Black), 11.6" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621088513
TY528M	Ty-Rap® Cable Ties, Natural Nylon, 14.2" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621080513
TY528MX	Ty-Rap® Cable Ties, UV Resistant (Black), 14.2" length, 50 lb. tensile strength (100 to a pkg.)	100 Ties	78621080514

**Because Secret Ingredients
Aren't Always a Good Thing.**

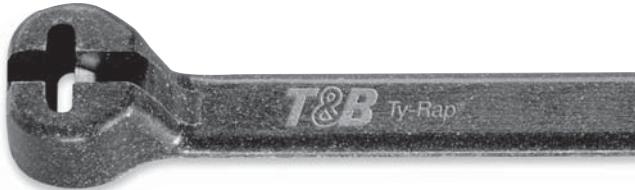




Detectable by:

- Metal detectors
- X-ray equipment
- Visual detection systems

A piece of
Ty-Rap®
Detectable
Cable Tie



Contains a unique, compound detectable by metal detectors and x-ray equipment.

Avoid Unpleasant Surprises with Ty-Rap® Detectable Cable Ties.

When you were six, you were thrilled to find the secret decoder ring at the bottom of the cereal box. But since then, you probably don't think of hidden surprises in food as a good thing. And if you're employed in food, beverage or pharmaceutical processing, the last thing you want is a consumer finding the trimmed-off end of a cable tie packaged with your product.

In fact, some manufacturing plants in industries sensitive to contamination have banned the use of nylon cable ties in their manufacturing plants, because standard nylon can pass unnoticed through metal detectors, x-ray equipment and standard visual detection systems.

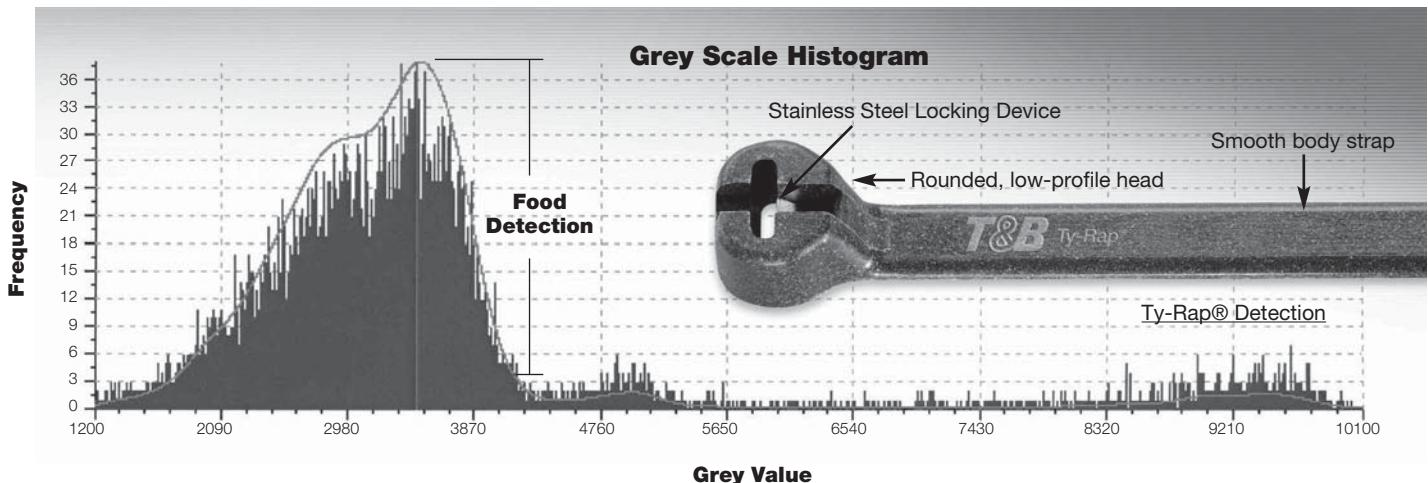
Now there's an alternative to protect against potential contamination of your product with standard nylon cable ties or paying for expensive stainless steel fasteners. Ty-Rap® Detectable Cable Ties are made from standard nylon or polypropylene, but incorporate a unique, compound detectable by metal detectors and x-ray equipment. Their bright blue colour makes them easy to spot, and the polypropylene version is buoyant, making it ideal for use in liquid processing areas.

With Ty-Rap® Detectable Cable Ties, you have all of the advantages of the original Ty-Rap® Cable Tie, including a smooth body with an infinitely adjustable design, high-performance stainless steel locking device for a perfect fit and superior holding power — plus the peace of mind of knowing the integrity of your product is uncompromised.



Ty-Rap®

Cable Ties for Special Environments



Features

- Detectable by metal detectors set at minimum 1.5mm ferrous sphere
- Detectable by x-ray equipment
- Bright blue colour allows easy visual detection, especially on white conveyor systems
- Buoyant, polypropylene version available for use in liquid-processing applications
- "The Grip of Steel®" locking device offers superior performance
- Oval, low-profile head and smooth molded body shed contaminants
- Half the price of stainless steel fasteners
- Infinitely adjustable design ensures the right fit
- Maximum operating temperature: 185° F (85° C)
- Available in a variety of sizes and tensile ratings



Ty-Rap® Detectable Cable Ties were tested by leading metal-detection and x-ray equipment manufacturers to ensure detectability.



The polypropylene version of Ty-Rap® Detectable Cable Ties floats, making it easy to spot in liquid-processing areas.



Ty-Rap® - Ty-Pak®

Thomas&Betts

Ty-Rap®**Cable Ties for Special Environments****Great addition to the Ty-Rap® Detectable Cable Ties!****Ty-Gun™ Cable Tie Tool**

No More Flying Cable Tie Tails — Cleanly Cuts Ties and Holds Tails Captive!

- Lightweight, break-through ergonomic design dramatically reduces user stress and strain
- 360° rotating nose enables operation from any position
- Front-access tension-adjustment wheel permits fast, easy changes

**Ty-Rap® Detectable Cable Ties**

Cat. Number	Length	Width	Bundle Dia. Max.	Tensile Rating	Std. Pkg. Qty.	UPC Number
Bright Blue Detectable — Compound Nylon 6.6						
TY523M-NDT	3.62"	0.093"	0.625"	18 lb./80N	100	78621099531
TY525M-NDT	7.31"	0.185"	1.750"	50 lb./220N	100	78621099533
TY527M-NDT	13.40"	0.270"	3.500"	120 lb./540N	50	78621099537
TY528M-NDT	14.20"	0.187"	4.000"	50 lb./220N	100	78621099535
Bright Blue Detectable — Compound Buoyant Polypropylene						
TY523M-PDT	3.62"	0.093"	0.625"	18 lb./80N	100	78621099532
TY525M-PDT	7.31"	0.185"	1.750"	30 lb./135N	100	78621099534
TY527M-PDT	13.40"	0.270"	3.500"	60 lb./267N	50	78621099538
TY528M-PDT	14.20"	0.187"	4.000"	30 lb./135N	100	78621099536

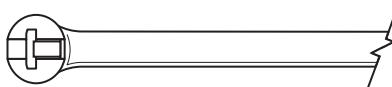
Cat. Number	Description	Std. Pkg. Qty.	UPC Number
Ty-Rap® TY-Pak®			
TB-RAP-100	Double-barrel module	1	78620986650
TB-RAP-200	Single-barrel module	1	78620986651
TB-RAP-300	Single-barrel module	1	78620986652
TB-RAP-110	Double-barrel module	1	78620986653
TB-RAP-210	Single-barrel module	1	78620986654
TB-RAP-310	Single-barrel module	1	78620986655
TB-RAP-211	Single-barrel module	1	78620986656
TB-RAP-311	Single-barrel module	1	78620986657

Cat. Number	Handle Colour	Tie Body Tension	Width Range	Std. Pkg. Qty.	UPC Number
Ty-Gun™ Cable Tie Tool					
ERG50	Black	18-50 lb.	0.094" – 0.184"	1	78621058790
ERG120	Red	50-120 lb.	0.184" – 0.301"	1	78621058788

Temperature rating: -40°F (-40°C) to 185°F (85°C)

Ty-Rap®

Cable Ties for Special Environments



FLAMMABILITY

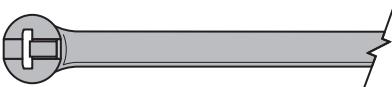
Flame Retardant Ties

Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Marking Pad Size (in.) W x H	Tensile Strength (lb.)	Bulk Pkg.
TY23MFR	.091	3.62	.625	NA	18	1000
TY232MFR	.091	8.00	2.00	NA	18	1000
TY24MFR	.140	5.50	1.125	NA	40	1000
TY25MFR	.184	7.31	1.75	NA	50	1000
TY28MFR	.184	14.20	4.00	NA	50	1000
TY272MFR†	.301	8.00	2.00	NA	120	500
TY27MFR	.301	13.20	3.50	NA	120	500
TY53MFR	.091	4.00	.625	.813 x .359	18	500
TY153MFR	.097	4.35	.625	.781 x 1	18	500

This material meets U.L. 94V-0 flammability rating. (85°C / 185°F)

† Not ® Recognized Model.

Colour – White



WEATHER RESISTANT



ULTRAVIOLET RESISTANT

Nylon 12 Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TC525MX	TYC25MX	.184	7.31	1.75	35	100	1000
–	TYC28MX	.184	14.20	4.00	35	–	1000
–	TYC272MX	.270	8.00	2.00	85	–	500
–	TYC27MX	.270	13.20	3.50	85	–	500
–	TYC29MX	.300	30.00	9.00	85	–	500

This material provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.

Colour – Black



HIGH TEMPERATURE

Heat-Stabilized Ties

Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lb.)	Bulk Pkg.
TYH23M	.091	3.62	.625	18	1000
TYH232M	.091	8.00	2.00	18	1000
TYH24M	.140	5.50	1.125	30	1000
TYH242M	.140	8.19	2.00	30	1000
TYH26M	.140	11.10	3.00	30	1000
TYH25M	.184	7.31	1.75	50	1000
TYH253M	.184	11.40	3.00	50	1000
TYH28M	.184	14.20	4.00	50	1000
TYH27M	.270	13.20	3.50	120	500
TYH272M	.270	8.75	2.00	120	500
TYH29M	.301	30.00	9.00	120	500

Heat-stabilized ties are recommended for higher continuous temperature use (105°C / 221°F).

Material meets ASTM D4066 PA121.

Colour – Green Tint



ULTRAVIOLET
RESISTANT



CHEMICAL
RESISTANT

Many factors combine to determine the useful life of a cable tie, but none is as important as chemical exposure. Polypropylene cable ties are ideally suited for chemical environments.

Weather-Resistant Polypropylene Ties

Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lb.)	Bulk Pkg.
TYP25MX	.184	7.31	1.75	30	1000
TYP28MX	.184	14.20	4.00	30	1000
TYP27MX	.270	13.20	3.50	60	500

Colour – Black



LOW SMOKE

Ty-Rap® cable ties, made of Halar®, are designed for use in air-handling spaces. Due to its UL 94V-0 flammability rating and low-smoke density characteristics, Halar® material is most suitable in applications where flame resistance and smoke generation is a concern.



Halar®* Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TYV523M**	TYV23M**	.091	3.62	.625	18	100	1000
TYV525M⁽¹⁾	TYV25M⁽¹⁾	.184	7.31	1.750	50	100	1000

* Solvay Solexis, Inc. registered trademark.

Colour – Maroon

** CSA Certified Natural 6/6 Nylon Cable Ties are suitable for use in air handling spaces in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC.

(1)



ULTRAVIOLET
RESISTANT



RADIATION

Fluoropolymer cable ties offer high-radiation resistance and temperature stability to 338°F. Also, Fluoropolymer provides excellent resistance to ultraviolet light and meets U.L. flammability rating 94V-0.



Radiation Resistant Fluoropolymer Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lb.)	Std. Pkg.	Bulk Pkg.
TYZ523M**	TYZ23M**	.091	3.62	.625	18	100	1000
TYZ525M⁽¹⁾	TYZ25M⁽¹⁾	.184	7.31	1.750	50	100	1000
TYZ528M	TYZ28M	.184	14.19	4.000	50	100	500
TYZ527M	TYZ27M	.301	13.38	3.500	120	50	100

Colour – Aqua

** CSA Certified Natural 6/6 Nylon Cable Ties are suitable for use in air handling spaces in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC.

(1)