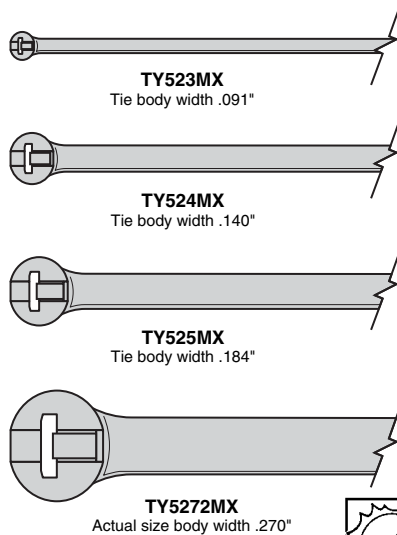
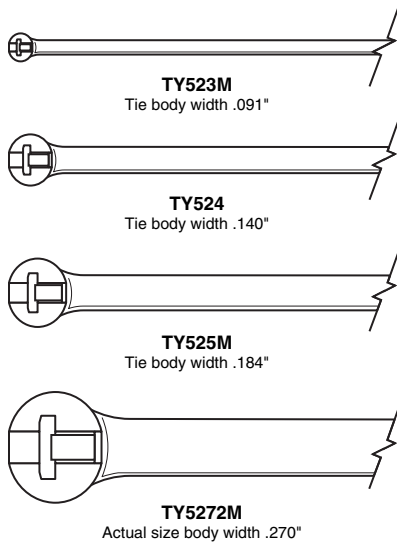




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Ty-Rap® Cable Ties



ULTRAVIOLET
RESISTANT

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.



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 (lbs.)	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	30	100	1000
TY5242M	TY242M	.140	8.19	2.000	-	30	100	1000
TY526M	TY26M	.140	11.10	3.000	-	30	100	1000
TY5244M	TY244M	.140	14.50	4.000	-	30	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



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 (lbs.)	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	30	100	1000
TY5242MX	TY242MX	.140	8.19	2.000	-	30	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 lbs. ties, replace suffix X with O (ie. TY27M-O).

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

** _{us}

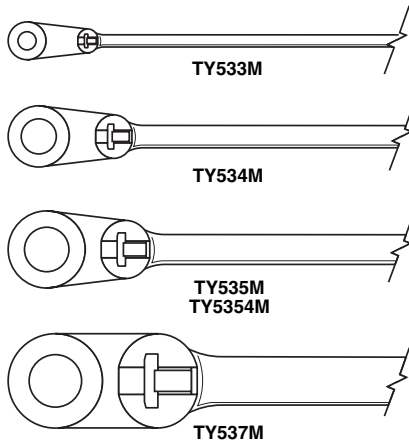
• CSA Certified Natural 6/6 Nylon Cable Ties are suitable for use in air handling spaces in accordance with rules 12-010 (3), (4) and (5), and 12-020 of the CEC.

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

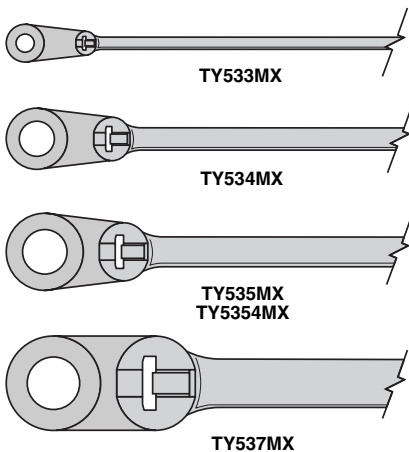
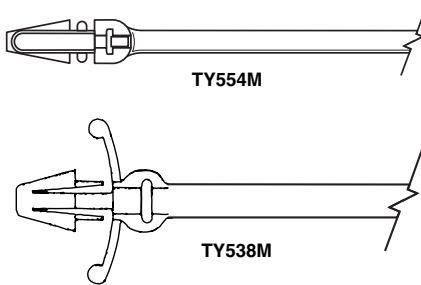
Std. Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lbs.)	Std. Pkg.
TY525M-CLRS	0.184	7.31	1.75	-	50	10

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

Ty-Rap® Cable Ties



• 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 (lbs.)	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	¼	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 (lbs.)	Std. Pkg.	Bulk Pkg.
TY554M	TY54M	.140	5.96	1.125	3/16	40	100	1000
TY538M	TY38M*	.184	7.80	1.750	¼	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 (lbs.)	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	¼	50	—	1000
TY537MX	TY37MX	.301	13.90	3.500	¼	120	50	500



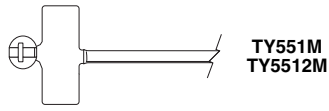
ULTRAVIOLET
RESISTANT

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

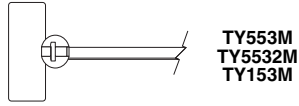
Color	Suffix No.	Color	Suffix No.
Black (outdoor)	X	Green	5
Brown	1	Blue	6
Red	2	Purple	7
Orange	3	Gray	8
Yellow	4	White	9

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

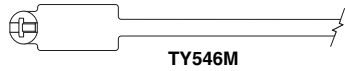
Ty-Rap® Cable Ties



TY551M
TY5512M



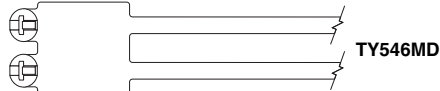
TY553M
TY5532M
TY153M



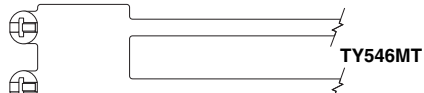
TY546M



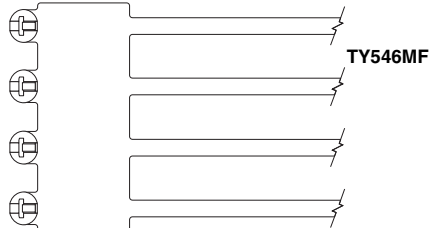
TY548M



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 (lbs.)	Std. Pkg.	Bulk Pkg.
TY551M	TY51M	.093	3.60	0.625	MS3368-5	1 x .313	18	50	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	TY46MT8	.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").



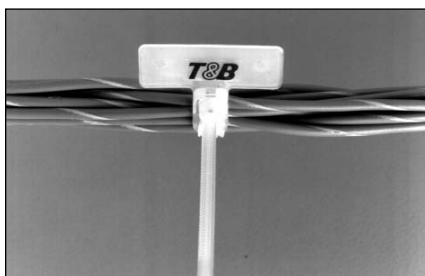
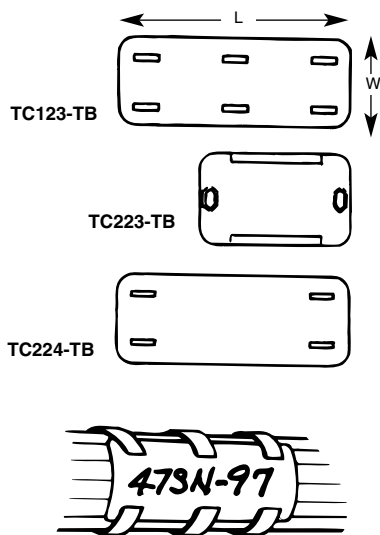
Custom Heat Stamping

Thomas & Betts' 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 colors 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 2500 pieces per part number and message.

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

Ty-Rap® Cable Ties



Snaps onto the head of a conventional cable tie to convert it to an identification tie.

- When snapped onto the tie head, the tag is conveniently held in place until it is permanently fastened.
- Offers maximized inventory control because the I.D. tag will accommodate different tie lengths and materials.



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
TC223	.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 1¼" to 2½", 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. Tefzel® is a registered trademark of Dupont.

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); catalog 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 lbs. series cable ties	1" x .35"	100	1000
TC524	TC24	Snaps on to the heads of all intermediate 30 & 40 lbs. series cable ties	1" x .50"	100	1000
TC525	TC25	Snaps onto the heads of all standard 50 lbs. series cable ties	1" x .50"	100	1000

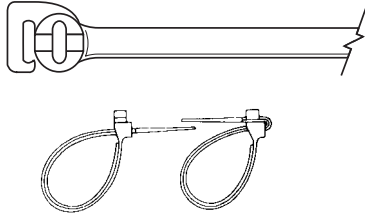
Note: Made of natural nylon 6/6.

Ty-Rap® Marking Pens

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

- Permanent, fine point.

Ty-Rap® Cable Ties



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.



This Ty-Rap® brand cable tie lets you secure wire bundles up to 1¼ 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.

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	¼	25	50



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

Drive-Ty® Cable Tie

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



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

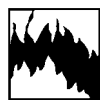
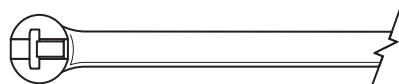
Universal Button Head Cable Tie

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



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 (lbs.)	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.

Color – 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 (lbs.)	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.

Color – Black



HIGH TEMPERATURE

Heat-Stabilized Ties

Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lbs.)	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.

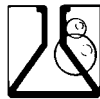
Color – Green Tint

Ty-Rap®

Cable Ties for Special Applications



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.



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.



ULTRAVIOLET
RESISTANT



RADIATION

Tefzel® cable ties offer high-radiation resistance and temperature stability to 302°F. Also, Tefzel® provides excellent resistance to ultraviolet light and meets U.L. flammability rating 94V-0.

Weather-Resistant Polypropylene Ties

Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lbs.)	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

Color – Black



Halar®* Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lbs.)	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.

Color – 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) US



TEFZEL®* Cable Ties

Std. Cat. No.	Bulk Cat. No.	Body Width (in.)	Length (in.)	Max. Wire Bundle Dia. (in.)	Tensile Strength (lbs.)	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	1000
TYZ527M	TYZ27M	.301	13.38	3.500	120	50	500

* DuPont registered trademark.

Color – 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.

US