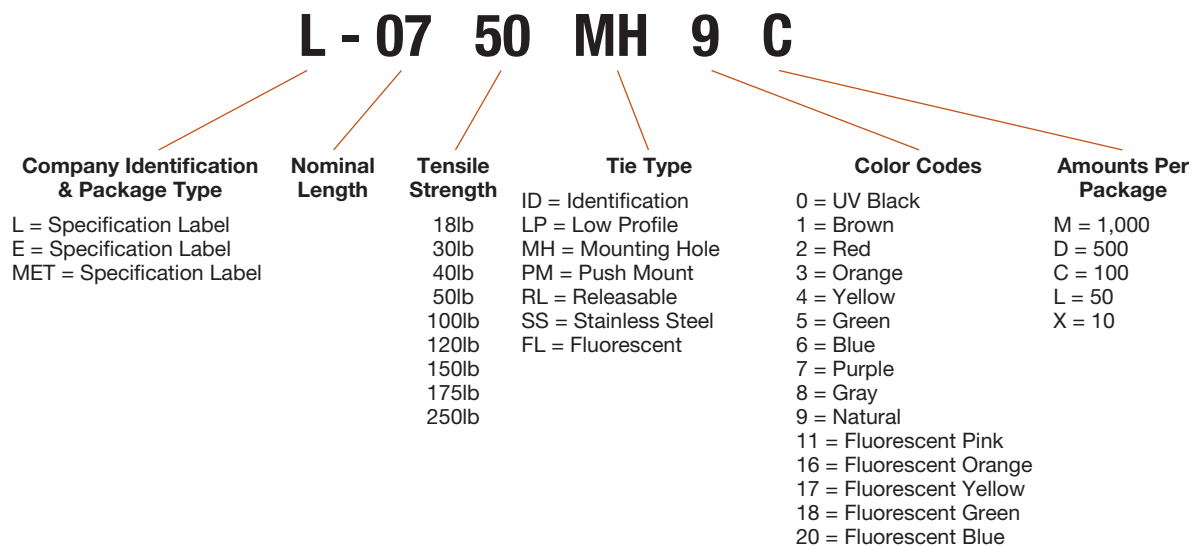


STANDARD CABLE TIES

ElecDirect cable ties are manufactured from high quality nylon 6/6. The angled tail features finger grips for easy handling and alignment. The one-piece design, transition rails, and teeth provide a low insertion force while maintaining a high tensile strength, ensuring ease of use and durability. The 36" and 48" applications include HVAC duct straps, and are UL 181 B Listed.

- **Operating Temp. Rating Nylon Cable Ties:** -40°F to +185°F
- **UL Flame Rating:** 94 V-2
- **Minimum Installation Temp.:** "L" Ties -4°F, "E" Ties 32°F
- **Plenum Rating:** AH-2

READING ELECDIRECT CABLE TIE PART NUMBERS

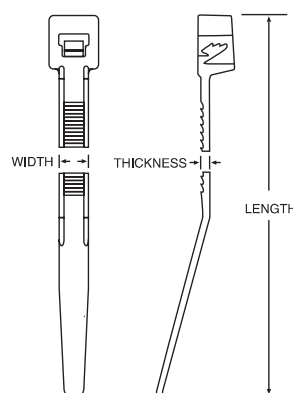
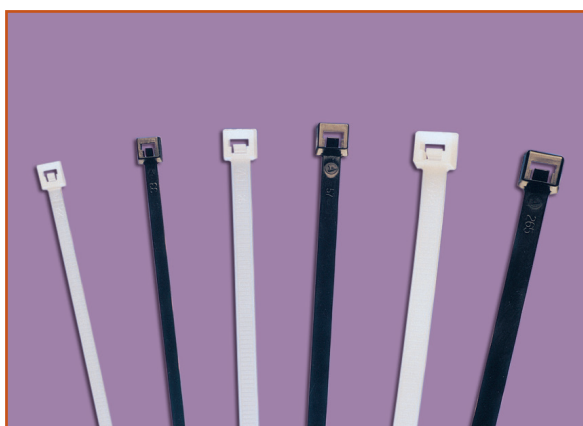


ANSI/UL
62275
TYPE 21
AH-2
POSITIONING
DEVICE

ANSI/UL
62275
TYPE 21S
AH-2
SUPPORTING
DEVICE

STANDARD CABLE TIES

- **Faster** - low insertion and pull through force
- **Stronger** - high tensile strength achieved from one piece design
 - advanced pawl and teeth design
 - manufactured from filtered nylon reducing particle contamination
- **Easier** - angled tail provides quicker initial insertion alignment
 - tail finger grips allow easier handling and tightening
- **Safer** - rounded edges provides added safety and eliminates insulation damage
- **Consistent** - formulated molding processes



Miniature 18lb Natural, UV Black

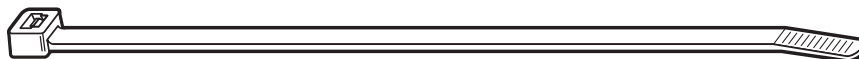


Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
1,000	L-4189M	Natural Nylon	4.12/104.77	.095/2.413	.042/1.066	18lb	.875/22.225	UL-CSA MS3367-4*	10,000	21
100	L-4189C	UV Black Nylon								
1,000	L-4180M	Natural Nylon	6.18/157.14	.095/2.413	.042/1.066	18lb	1.50/38.10	UL-CSA	10,000	21
100	L-4180C	UV Black Nylon								
1,000	L-6189M	Natural Nylon	8.18/207.94	.095/2.413	.042/1.066	18lb	2.187/55.562	UL-CSA	10,000	21
100	L-6189C	UV Black Nylon								
1,000	L-8180M	Natural Nylon	8.18/207.94	.095/2.413	.042/1.066	18lb	2.187/55.562	UL-CSA	10,000	21
100	L-8180C	UV Black Nylon								

Tolerance: .XXX = ± 0.005 , .XX = ± 0.015 , Fraction = $\pm 1/32$ "



STANDARD CABLE TIES



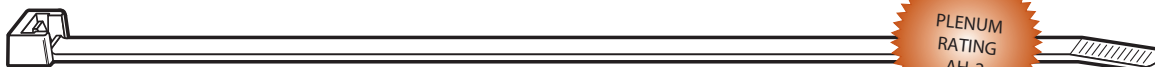
PLENUM
RATING
AH-2

See
page 30 for
mil-specs

Intermediate 30lb, 40lb Natural, UV Black

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
1,000	L-5409M	Natural Nylon	5.84/148.33	.140/3.556	.049/1.244	40lb	1.437/36.512	UL-CSA MS3367-S*	10,000	21
100	L-5409C									
1,000	L-5400M	UV Black Nylon	5.84/148.33	.140/3.556	.049/1.244	40lb	1.437/36.512	UL-CSA MS3367-S*	10,000	21
100	L-5400C									
1,000	L-8409M	Natural Nylon	8.875/225.42	.140/3.556	.049/1.244	40lb	2.375/60.325	UL-CSA	10,000	21
100	L-8409C									
1,000	L-8400M	UV Black Nylon	8.875/225.42	.140/3.556	.049/1.244	40lb	2.375/60.325	UL-CSA	10,000	21
100	L-8400C									
100	L-11409C	Natural Nylon	11.56/293.67	.140/3.556	.058/1.473	40lb	3.375/85.72	UL-CSA	5,000	21
100	L-11400C	UV Black Nylon								
100	L-14409C	Natural Nylon	14.50/368.30	.140/3.556	.058/1.473	40lb	4.00/101.60	UL-CSA	5,000	21
100	L-14400C	UV Black Nylon								

Tolerance: .XXX = ± 0.005 , .XX = ± 0.015 , Fraction = $\pm 1/32$ "



PLENUM
RATING
AH-2

Standard 50lb Natural, UV Black

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
1,000	L-7509M	Natural Nylon	7.56/192.07	.180/4.572	.052/1.320	50lb	1.875/47.625	UL-CSA MS3367-1*	10,000	21S
100	L-7509C									21S
1,000	L-7500M	UV Black Nylon	7.56/192.07	.180/4.572	.052/1.320	50lb	1.875/47.625	UL-CSA MS3367-1*	10,000	21S
100	L-7500C									21S
500	L-11509D	Natural Nylon	11.25/285.75	.180/4.572	.052/1.320	50lb	3.062/77.787	UL-CSA MS3367-7*	5,000	21S
100	L-11509C									21S
500	L-11500D	UV Black Nylon	11.25/285.75	.180/4.572	.052/1.320	50lb	3.062/77.787	UL-CSA MS3367-7*	5,000	21S
100	L-11500C									21S
500	L-14509D	Natural Nylon	14.56/369.87	.180/4.572	.052/1.320	50lb	4.125/104.775	UL-CSA MS3367-2*	5,000	21S
100	L-14509C									21S
500	L-14500D	UV Black Nylon	14.56/369.87	.180/4.572	.052/1.320	50lb	4.125/104.775	UL-CSA MS3367-2*	5,000	21S
100	L-14500C									21S
100	L-17509C	Natural Nylon	17.09/434.16	.187/4.749	.060/1.524	50lb	4.75/120.65	UL	5,000	21
100	L-17500C	UV Black Nylon								

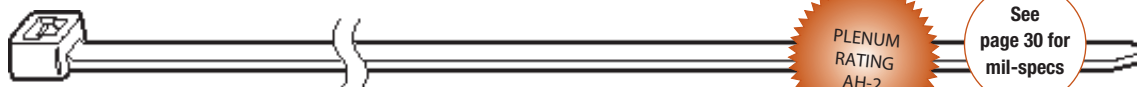
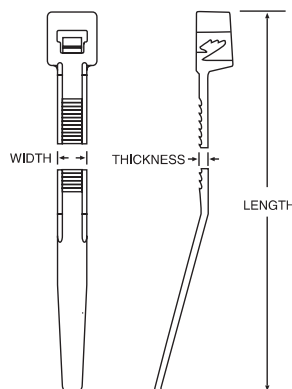
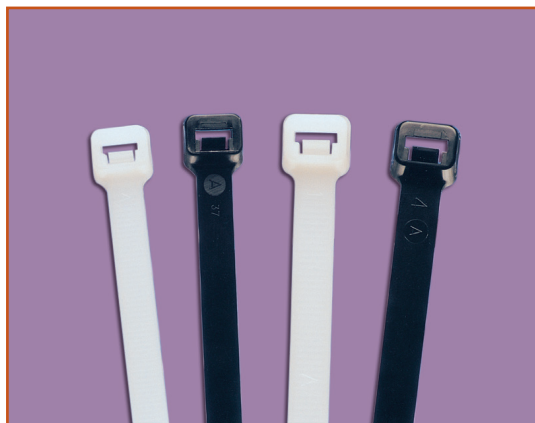
Tolerance: .XXX = ± 0.005 , .XX = ± 0.015 , Fraction = $\pm 1/32$ "

MADE IN  U.S.A.



NOW
21S!

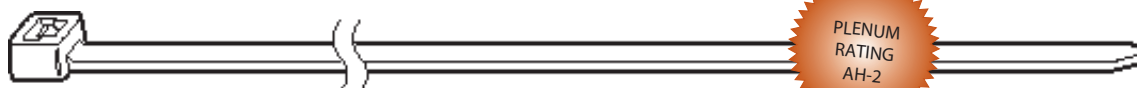
STANDARD CABLE TIES



Heavy Duty 120lb Natural, UV Black

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
100	L-81209C	Natural Nylon	8.70/220.98	.300/7.620	.076/1.930	120lb	2.06/52.38	UL-CSA	3,000	21S
100	L-81200C	UV Black Nylon								21S
100	L-141209C	Natural Nylon	15.09/383.36	.300/7.620	.076/1.930	120lb	4.06/103.18	UL-CSA MS3367-3*	2,000	21S
100	L-141209C									21S
100	L-141200C	UV Black Nylon								21S
100	L-141200C									21S
50	L-181209L	Natural Nylon	17.70/449.58	.302/7.670	.083/2.108	120lb	5.00/127.00	UL-CSA	1,000	21S
50	L-181200L	UV Black Nylon								21S
50	L-241209L	Natural Nylon	24.43/620.69	.302/7.670	.083/2.108	120lb	7.00/177.80	UL-CSA	500	21S
50	L-241200L	UV Black Nylon								21S
50	L-301209L	Natural Nylon	30.6/781.00	.302/7.670	.083/2.108	120lb	9.00/288.60	UL-CSA MS3367-6	500	21S
50	L-301200L	UV Black Nylon								21S

Tolerance: .XXX = ±.005, .XX = ±.015, Fraction = ±1/32"



Extra Heavy Duty 175lb Natural, UV Black, & Gray

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
50	L-241759L	Natural Nylon	25.25/641.35	.340/8.636	.090/2.286	175lb	7.18/182.56	UL-CSA UL 181B-C MS3367-10	500	21
50	L-241750L	UV Black Nylon								
50	L-361759L	Natural Nylon	37.25/946.15	.340/8.636	.090/2.286	175lb	11.00/279.40	UL-CSA UL 181B-C MS3367-13	500	21
50	L-361750L	UV Black Nylon								
50	L-481759L	Natural Nylon	48.50/1231.9	.340/8.636	.090/2.286	175lb	14.50/368.30	UL-CSA UL 181B-C MS3367-16	500	21
50	L-481758L	Gray Nylon								
50	L-481750L	UV Black Nylon								

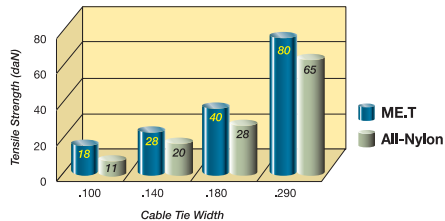
Tolerance: .XXX = ±.005, .XX = ±.015, Fraction = ±1/32"



MET METAL TOOTH CABLE TIES

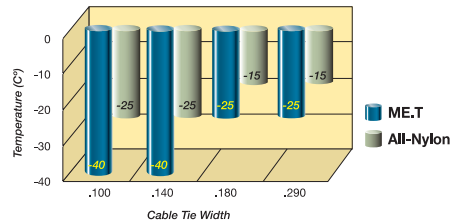
Performs Better at Lower Temperatures Stronger and More Flexible

COMPARATIVE TENSILE TESTS
(ME.T vs All-Nylon)



Up to 25% stronger than all-nylon ties.

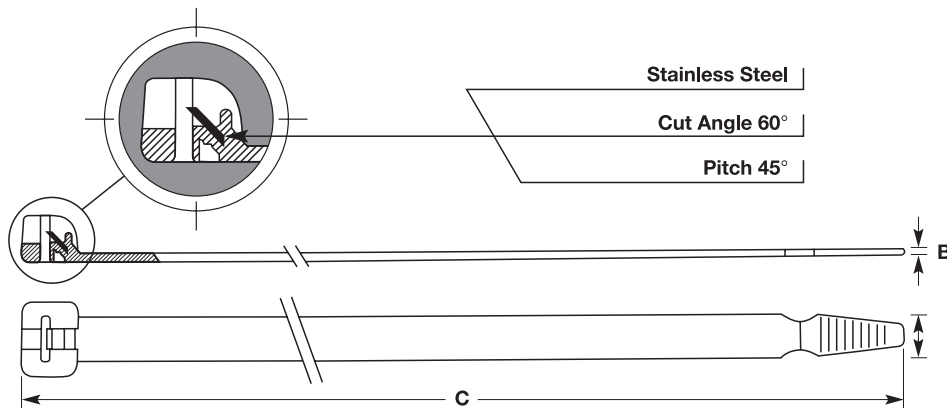
COMPARATIVE TEMPERATURE TESTS
(ME.T vs All-Nylon)



Performs better at lower temperatures than all-nylon ties.

TECHNICAL CHARACTERISTICS

Characteristics	SAPISELCO Method	Unit	Cable Ties Width: Inches			
			.100	.140	.180	.290
Opening Load/Tensile Strength	MAF/06	daN/lbs	18/39.7	28/61.7	40/88.2	80/176.4
Fragility	MAF/02-b	°C	-20	-20	-20	-20
Minimum Application Temperature	MAF/03	°C	-40	-40	-25	-25
Resistance Time to an Applied Flame	MAF/08	SEC	5	5	10	20
Self-extinguishing	MAF/05 with reference to UL94 classification	/	V2	V2	V2	V2



NOMINAL DIMENSIONS

Size	Units	Dimensional Tolerance	Data			
A - Width	Inches	± 5%	.1000	.1400	.1800	.2900
B - Thickness		± 5%	.0340	.0345	.0425	.0620
C - Length		± 2%	4" 8"	5" 8" 11"	7.5" 11" 14"	8" 14"

- All size and diameters in this chart are expressed in inches. The opening loads are expressed in daN (1 daN=1 Kg/2.20462lbs.).
- The figures given are mean values at 23°C and 50% R.H.
- Data are subject to changes.

ME.T METAL TOOTH CABLE TIES



MET METAL TOOTH CABLE TIE
PART NUMBERS



Part no.	Description	Width (Inches)	pcs/pack	ctn qty	Color	Approx Length	u/m	ANSI/UL 62275 TYPE
*MET-4180C	MetTie 4" 18lb	0.100	100 Bag	15	UV Black†	4"	pk	21
*MET-4189C	MetTie 4" 18lb	0.100	100 Bag	15	Natural	4"	pk	21
*MET-4180M	MetTie 4" 18lb	0.100	1000 Bag	15	UV Black†	4"	pk	21
*MET-4189M	MetTie 4" 18lb	0.100	1000 Bag	15	Natural	4"	pk	21
*MET-5300C	MetTie 5.5" 30lb	0.140	100 Bag	10	UV Black†	5.5"	pk	21
*MET-5309C	MetTie 5.5" 30lb	0.140	100 Bag	10	Natural	5.5"	pk	21
*MET-5300M	MetTie 5.5" 30lb	0.140	1000 Bag	10	UV Black†	5.5"	pk	21
*MET-5309M	MetTie 5.5" 30lb	0.140	1000 Bag	10	Natural	5.5"	pk	21
MET-8180C	MetTie 8" 18lb	0.100	100 Bag	10	UV Black†	8"	pk	21
MET-8189C	MetTie 8" 18lb	0.100	100 Bag	10	Natural	8"	pk	21
MET-8180M	MetTie 8" 18lb	0.100	1000 Bag	10	UV Black†	8"	pk	21
MET-8189M	MetTie 8" 18lb	0.100	1000 Bag	10	Natural	8"	pk	21
MET-8400C	MetTie 8" 40lb	0.14	100 Bag	6	UV Black†	8"	pk	21
MET-8409C	MetTie 8" 40lb	0.14	100 Bag	6	Natural	8"	pk	21
MET-8400M	MetTie 8" 40lb	0.14	1000 Bag	6	UV Black†	8"	pk	21
MET-8409M	MetTie 8" 40lb	0.14	1000 Bag	6	Natural	8"	pk	21
*MET-7500C	MetTie 7.5" 50lb	0.18	100 Bag	5	UV Black†	8"	pk	21
*MET-7509C	MetTie 7.5" 50lb	0.18	100 Bag	5	Natural	8"	pk	21
*MET-7500M	MetTie 7.5" 50lb	0.18	1000 Bag	5	UV Black†	8"	pk	21
*MET-7509M	MetTie 7.5" 50lb	0.18	1000 Bag	5	Natural	8"	pk	21
MET-11400C	MetTie 11" 40lb	0.14	100 Bag	6	UV Black†	11"	pk	21
MET-11409C	MetTie 11" 40lb	0.14	100 Bag	6	Natural	11"	pk	21
MET-11400M	MetTie 11" 40lb	0.14	1000 Bag	6	UV Black†	11"	pk	21
MET-11409M	MetTie 11" 40lb	0.14	1000 Bag	6	Natural	11"	pk	21
*MET-11500C	MetTie 11" 50lb	0.18	100 Bag	5	UV Black†	11.5"	pk	21
*MET-11509C	MetTie 11" 50lb	0.18	100 Bag	5	Natural	11.5"	pk	21
*MET-11500M	MetTie 11" 50lb	0.18	1000 Bag	5	UV Black†	11.5"	pk	21
*MET-11509M	MetTie 11" 50lb	0.18	1000 Bag	5	Natural	11.5"	pk	21
*MET-14500C	MetTie 14" 50lb	0.18	100 Bag	4	UV Black†	14"	pk	21
*MET-14509C	MetTie 14" 50lb	0.18	100 Bag	4	Natural	14"	pk	21
*MET-14500M	MetTie 14" 50lb	0.18	1000 Bag	4	UV Black†	14"	pk	21
*MET-14509M	MetTie 14" 50lb	0.18	1000 Bag	4	Natural	14"	pk	21
*MET-141200L	MetTie 14" 120lb	0.29	50 Bag	1.5	UV Black†	14"	pk	21
*MET-141209L	MetTie 14" 120lb	0.29	50 Bag	1.5	Natural	14"	pk	21
*MET-141200D	MetTie 14" 120lb	0.29	500 Bag	1.5	UV Black†	14"	pk	21
*MET-141209D	MetTie 14" 120lb	0.29	500 Bag	1.5	Natural	14"	pk	21

*Identified items are MIL-SPEC cable ties "MS 3367"

†Black Cable ties are UV resistant



Reach



Black UV Stabilized/Resistant, Self-extinguishing (V2: UL 94), Type 21S Cable Ties.

SPECIALTY CABLE TIES

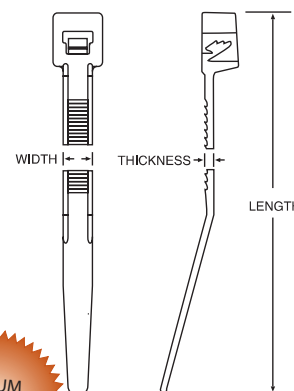
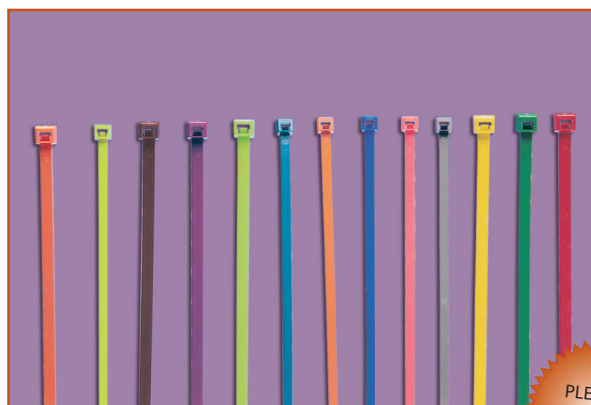


COLOR & FLUORESCENT CABLE TIES

- **High Quality Color Concentrates** produce color consistency time after time
- **Ideal Applications:** color coding, identification, packaging continuity, and bundling aesthetics

Color Codes

- 1 = Brown
- 2 = Red
- 3 = Orange
- 4 = Yellow
- 5 = Green
- 6 = Blue
- 7 = Purple
- 8 = Gray
- 11 = Fluorescent Pink
- 16 = Fluorescent Orange
- 17 = Fluorescent Yellow
- 18 = Fluorescent Green
- 20 = Fluorescent Blue



PLENUM
RATING
AH-2

18lb, 40lb, & 50lb Color & Fluorescent

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	UL-CSA Mil-Spec	Per Case	ANSI/UL 62275 TYPE
100	L-418#C	Standard Color	4.12/104.77	.095/2.413	.042/1.066	18lb	.875/22.225	UL-CSA MS3367-4*	10,000	21
100	L-418##C	Fluorescent								
100	L-540#C	Standard Color	5.84/148.33	.140/3.556	.049/1.244	40lb	1.437/36.512	UL-CSA MS3367-5*	5,000	21
100	L-540##C	Fluorescent								
100	L-840#C	Standard Color	8.875/225.42	.140/3.556	.049/1.244	40lb	2.375/60.325	UL-CSA	5,000	21
100	L-840##C	Fluorescent								
100	L-750#C	Standard Color	7.56/192.07	.180/4.572	.052/1.320	50lb	1.875/47.625	UL-CSA MS3367-1*	5,000	21S
100	L-750##C	Fluorescent								
100	L-1150#C	Standard Color	11.25/285.75	.180/4.572	.052/1.320	50lb	3.062/77.787	UL-CSA MS3367-7*	5,000	21S
100	L-1150##C	Fluorescent								
100	L-1450#C	Standard Color	14.56/369.87	.180/4.572	.052/1.320	50lb	4.125/104.775	UL-CSA MS3367-2*	5,000	21S
100	L-1450##C	Fluorescent								

Tolerance: .XXX = ± 0.005 , .XX = ± 0.015 , Fraction = $\pm 1/32$ "

*Mil-Spec does not apply to fluorescent colors

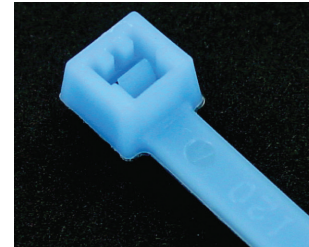
To specify color, replace "#" in part number with color code listed above

MADE IN  U.S.A.

ARCTIC TIE CABLE TIES

Superior Ice & Sun Performance

- Special polymer additive prevents breakage in sub-zero temperatures
- UV additive for superior sunlight resistance
- Higher strength rating than regular ties (e.g. 80 lbs vs. 50 lbs) resistance
- Distinctive "ICE BLUE" color



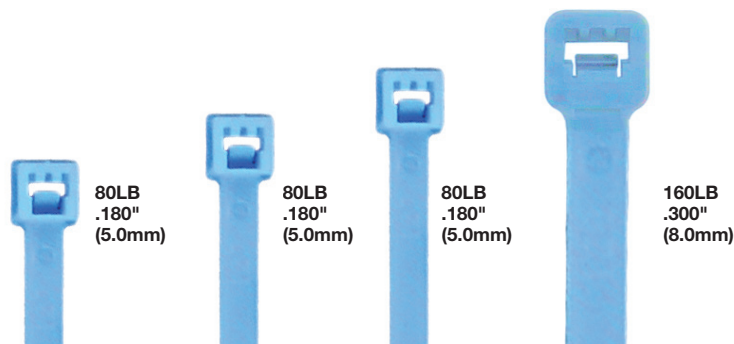
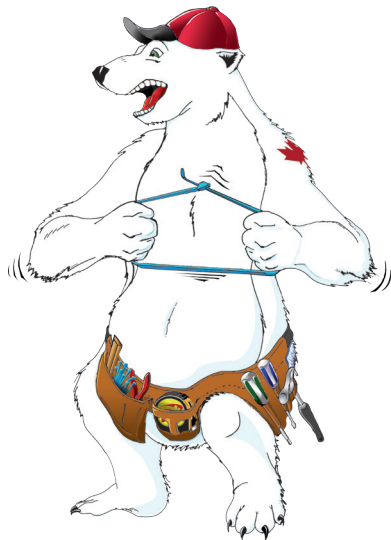
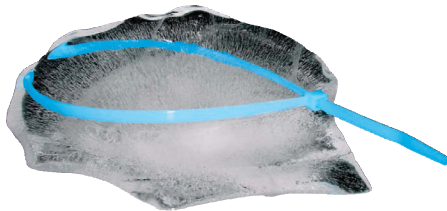
ARCTIC TIE™

Cable Ties – Ice Blue (100pc/PK)

Part No.	Length Inch / mm	Tie Tensile Strength	Color	Width Inch / mm	Max. Bundle Dia. Inch / mm	U/M
ICE-780C	7.5" / 190.5mm	80 LB	ICE BLUE	0.180" / 4.57mm	1.875" / 47.63mm	100pc/PK
ICE-1180C	11" / 279.4mm	80 LB	ICE BLUE	0.180" / 4.57mm	3.062" / 77.77mm	100pc/PK
ICE-1480C	14" / 355.6mm	80 LB	ICE BLUE	0.180" / 4.57mm	4.125" / 104.77mm	100pc/PK
ICE-14160C	14" / 355.6mm	160 LB	ICE BLUE	0.300" / 7.62mm	4.060" / 103.12mm	100pc/PK

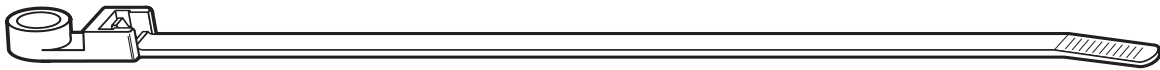
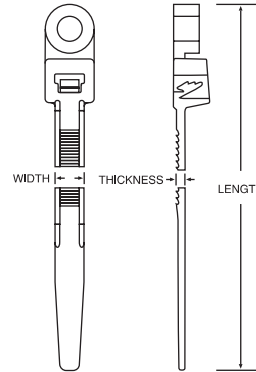
Tested for application performance at -4°F
Material rated at -40°F per ISO180

DESIGNED TO PERFORM IN ADVERSE WEATHER CONDITIONS, THESE TIES WILL WITHSTAND SUB-ZERO TEMPERATURES, SNOW, ENVIRONMENTAL POLLUTION, ACIDITY IN THE AIR AND ULTRAVIOLET LIGHT.



MOUNTING HOLE CABLE TIES

- **One Piece Design** allows for quicker mechanical mounting and reduced cost
- **Secures and Positions** wire bundles, cables, hoses, etc. to panels or other surfaces with one mechanical fastener



Mounting Hole 50lb, & 120lb Natural & UV Black

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Screw Size	Diameter Inch/mm	UR CSA	Per Case
1,000	L-750MH9M	Natural Nylon	8.0/203.2	.177/4.495	.052/1.320	50lb	#10	1.75/44.45	UR CSA	5,000
100	L-750MH9C									
1,000	L-750MH0M	UV Black Nylon								
100	L-750MH0C									
100	L-1150MH9C	Natural Nylon	11.7/298.4	.191/4.851	.061/1.549	50lb	#10	3.00/76.20		5,000
100	L-1150MH0C	UV Black Nylon								
100	L-1450MH9C	Natural Nylon	14.5/368.3	.186/4.724	.060/1.524	50lb	#10	4.00/101.60	UR	5,000
100	L-1450MH0C	UV Black Nylon								
100	L-14120MH9C	Natural Nylon	15.7/398.7	.298/7.569	.075/1.905	120lb	1/4"	4.06/103.12	UR CSA	2,000
100	L-14120MH0C	UV Black Nylon								

Tolerance: .XXX = ± 0.005 , .XX = ± 0.015 , Fraction = $\pm 1/32$ "



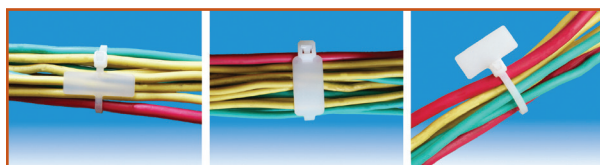
IDENTIFICATION CABLE TIES

- **One Easy Step** to identify and bundle items
- **Flag Ties** extend from bundle to be easily seen when identification is critical
- **Identification Ties** reduce snags while providing support to the bundle



Marker Cable Ties

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F~+185°F (-40°C~+85°C)



Type A

Type B

Type C

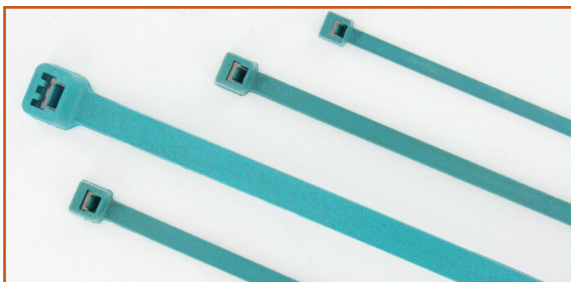


RoHS PAHs Reach

Part No.	Type	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Write Area mm [Inch]	Std. Pk. Qty.
L418ID9C	A	2.5 [.095]	100 [4.0]	22.0 [0.86]	8 [18]	7.75x24.5 [.30x.95]	100
L418ID9M	A	2.5 [.095]	100 [4.0]	22.0 [0.86]	8 [18]	7.75x24.5 [.30x.95]	1000
L750ID9C	B	4.8 [1.89]	190 [7.0]	50.9 [2.00]	22 [50]	12.9x27 [.50x1.05]	100
L750ID9M	B	4.8 [1.89]	190 [7.0]	50.9 [2.00]	22 [50]	12.9x27 [.50x1.05]	1000
L418TID9C	C	2.5 [.095]	110 [4.3]	22.6 [0.89]	8 [18]	9.0x20 [.35x.78]	100
L418TID9M	C	2.5 [.095]	110 [4.3]	22.6 [0.89]	8 [18]	9.0x20 [.35x.78]	1000

Tolerance: $\pm .03"/.76$ mm

METAL DETECTABLE CABLE TIES



- Used in the Food Processing, Beverage, Pharmaceutical, Cosmetic Industries
- Don't let unwanted material end up where it shouldn't be

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	Per Case
100	L-418MD6C	Teal Nylon	4.12/104.77	.095/2.413	.042/1.066	18lb	0.874/22.199	100
100	L-840MD6C	Teal Nylon	8.875/225.42	.140/3.556	.049/1.244	40lb	2.375/60.325	100
100	L-750MD6C	Teal Nylon	7.56/192.07	.180/4.572	.052/1.320	50lb	1.875/47.625	100
100	L-1150MD6C	Teal Nylon	11.25/285.75	.180/4.572	.052/1.320	50lb	3.062/77.787	50
100	L-1450MD6C	Teal Nylon	14.25/361.95	.180/4.572	.052/1.320	50lb	4.00/101.60	50
100	L-14120MD6C	Teal Nylon	15.09/383.36	.300/7.620	.076/1.930	120lb	4.06/103.18	20

Tolerance: .xxx = $\pm .005$, .xx = $\pm .015$, Fraction = $\pm 1/32$ "

Disclaimer: The use of metal detectable products demonstrates due diligence and precautionary measurements have been taken to prevent contaminants in your product. The user of the metal detectable cable tie is liable to adjust all settings on their detection equipment to determine the suitability of use.

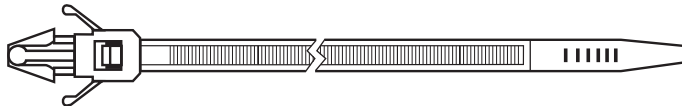
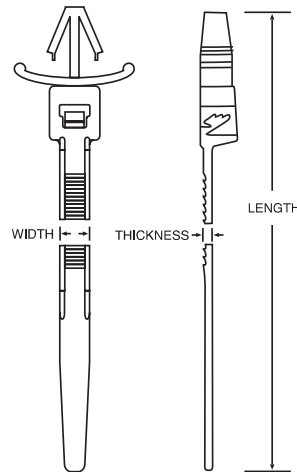
MADE IN



U.S.A.

PUSH MOUNT CABLE TIES

- **Quick Mounting** one piece-design securely attaches bundle to panel
- **Extra Stability** is created from the tensioning wings
- **Thickness Variations** in materials is easily overcome with tension wings



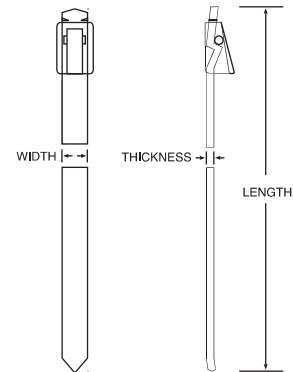
Wing 50lb Natural & Black

Per Bag	Part no.	Color & Material	Length Inch/mm	Width Inch/mm	Thickness Inch/mm	Tie Tensile	Diameter Inch/mm	Hole Size Inch/mm	Panel Inch/mm	Per Case
100	L-750PM9C	Natural Nylon	7.8/200.0	.189/4.80	.062/1.574	50lb	1.969/50.00	.236/6.00	.14/3.55	5,000
100	L-750PM0C	Black Nylon								
500	L-750PM9D	Natural Nylon	7.8/200.0	.189/4.80	.062/1.574	50lb	1.969/50.00	.236/6.00	.14/3.55	5,000
500	L-750PM0D	Black Nylon								

Tolerance: $\pm .03"/.76$ mm

STAINLESS STEEL CABLE TIES

- **Ideal Applications:** harsh, corrosive, and salt-water environments, chemical and radiation exposure, temperature extremes, food processing, and vibrating equipment
- **Ball Locking** mechanism provides ease of insertion and high tensile strength
- **Temperature Resistance:** -112°F to 1000°F
- **Resistance Against Chemicals:** Acid and Alkali Resistant



Dimensions for Roller Ball Ties		
Tensile	Width	Thickness
150lb	0.181"	0.010"
300lb	0.311"	0.010"

- Ideal for high corrosion areas
- Excellent resistance to temperature and moisture variations.
- Operating Temperature: -76°F to 572°C



Ball Lock-Uncoated 316 Stainless Steel 150lb & 300lb

Part no.	Description	Length/Size	U/M	QTY/PK	CSA 62275 DSG TYPE
L-8150SSC	Ball Lock-Uncoated-SS316, 150lb Tensile	8"	PK	100	2
L-14150SSC	Ball Lock-Uncoated-SS316, 150lb Tensile	14"	PK	100	2
L-20150SSC	Ball Lock-Uncoated-SS316, 150lb Tensile	20"	PK	100	2
L-24150SSC	Ball Lock-Uncoated-SS316, 150lb Tensile	24"	PK	100	2
L-27150SSC	Ball Lock-Uncoated-SS316, 150lb Tensile	27"	PK	100	2
L-8250SSC	Ball Lock-Uncoated-SS316, 300lb Tensile	8"	PK	100	2
L-14250SSC	Ball Lock-Uncoated-SS316, 300lb Tensile	14"	PK	100	2
L-24250SSC	Ball Lock-Uncoated-SS316, 300lb Tensile	24"	PK	100	2

Tolerance: $\pm 0.037"/.76$ mm

Sold in bag quantities



L-8150SSC 316 Stainless Steel 150lb



L-8250SSC 316 Stainless Steel 300lb

STAINLESS STEEL CABLE TIES



Ball Lock-Coated and Color Coated 316 Stainless Steel 150lb & 300lb

• Operating Temp.: -76°F to +302°F

Part no.	Description	Length/Size	U/M	QTY/PK	CSA 62275 DSG TYPE
LC-10150SSC	Ball Lock-Coated-SS316, 150lb Tensile Black	10"	PK	100	21
LC-20150SSC	Ball Lock-Coated-SS316, 150lb Tensile Black	20"	PK	100	21
LC-10250SSC	Ball Lock-Coated-SS316, 300lb Tensile Black	10"	PK	100	21
LC-20250SSC	Ball Lock-Coated-SS316, 300lb Tensile Black	20"	PK	100	21
LC-8150SS0C	Ball Lock-Color Coated-SS316, 150lb Tensile Black	8"	PK	100	21
LC-8150SS2C	Ball Lock-Color Coated-SS316, 150lb Tensile Red	8"	PK	100	21
LC-8150SS4C	Ball Lock-Color Coated-SS316, 150lb Tensile Yellow	8"	PK	100	21
LC-8150SS6C	Ball Lock-Color Coated-SS316, 150lb Tensile Blue	8"	PK	100	21
LC-8150SS5C	Ball Lock-Color Coated-SS316, 150lb Tensile Green	8"	PK	100	21
LC-14150SS0C	Ball Lock-Color Coated-SS316, 150lb Tensile Red	14"	PK	100	21
LC-14150SS2C	Ball Lock-Color Coated-SS316, 150lb Tensile Red	14"	PK	100	21
LC-14150SS4C	Ball Lock-Color Coated-SS316, 150lb Tensile Yellow	14"	PK	100	21
LC-14150SS6C	Ball Lock-Color Coated-SS316, 150lb Tensile Blue	14"	PK	100	21
LC-14150SS5C	Ball Lock-Color Coated-SS316, 150lb Tensile Green	14"	PK	100	21



LC-10150SSC
316 Stainless Steel Black 150lb



LC-10250SSC
316 Stainless Steel Black 300lb



316 Stainless Steel Color Coated 150lb
available in 8 inch and 14 inch lengths.

Spring Ball Lock Uncoated 316 Stainless Steel 150lb & 300lb

• Operating Temp.: -60°C to +300°C



Part no.	Description	Length/Size	U/M	QTY/PK	CSA 62275 DSG TYPE
LS-10150SSC	Spring Ball Lock Uncoated-SS316, 150lb Tensile	10"	PK	100	2
LS-20150SSC	Spring Ball Lock Uncoated-SS316, 150lb Tensile	20"	PK	100	2
LS-14250SSC	Spring Ball Lock Uncoated-SS316, 300lb Tensile	14"	PK	100	2
LS-24250SSC	Spring Ball Lock Uncoated-SS316, 300lb Tensile	24"	PK	100	2



LS-10150SSC
Spring Ball Lock Uncoated-SS316,
150lb Tensile



LS-14250SSC
Spring Ball Lock Uncoated-SS316,
300lb Tensile



STAINLESS STEEL CABLE TIES & ACCESSORIES

Releasable Coated Black 316 Stainless Steel 450lb

• Operating Temp.: -76°F to +302°F

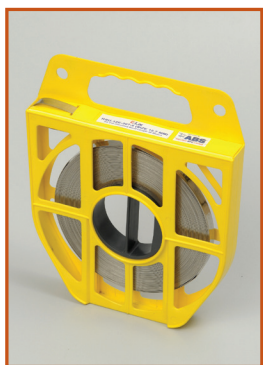


Part no.	Description	Length/Size	U/M	QTY/PK	CSA 62275 DSG TYPE
RC-12450SSC	Releasable-PPA 571 Coated-SS316, 450lb Tensile Black	12"	PK	100	21
RC-24450SSC	Releasable-PPA 571 Coated-SS316, 450lb Tensile Black	24"	PK	100	21

Releasable Coated Black 316 Stainless Steel 440lb available in 14 inch and 24 inch lengths.

Stainless Steel Straps for High Tensile Applications

• Operating Temp.: -76°F to +572°F



B-50SS201 in 100 ft roll

Part no.	Description	Length/Size	U/M	QTY/PK
B-50SS201	Stainless Steel Straps for High Tensile Applications SS201	1/2" 100' roll	ROLL	100 FT
B-50SS316	Stainless Steel Straps for High Corrosive Applications SS316	1/2" 100' roll	ROLL	100 FT
B-75SS201	Stainless Steel Straps for High Tensile Applications SS201	3/4" 100' roll	ROLL	100 FT
B-75SS316	Stainless Steel Straps for High Corrosive Applications SS316	3/4" 100' roll	ROLL	100 FT
BC-50SS316	PPA 571 Coated Stainless Steel Straps for Extra High Corrosive applications SS316	1/2" 100' roll	ROLL	100 FT



B-75SS201 in 100 ft roll

STAINLESS STEEL CABLE TIES & ACCESSORIES

Stainless Steel Jaw Type Clips



Part no.	Description	Length/Size	U/M
JC50SS201	Jaw Type Clips SS201	1/2"	EA
JC50SS316	Jaw Type Clips SS316	1/2"	EA
JC75SS201	Jaw Type Clips SS201	3/4"	EA
JC75SS316	Jaw Type Clips SS316	3/4"	EA

MiniBracket With Bolt & Washer



Part no.	Description	Length/Size	U/M
RM50MFA	MiniBracket w Bolt & Washer	1/2" flare	EA
RM50MSA	MiniBracket w Bolt & Washer	1/2" str	EA
RM75SFA	1 Bolt Bracket w Bolt & Wash	3/4" flare	EA
RM75SSA	1 Bolt Bracket w Bolt & Wash	3/4" str	EA
RM75TSA	2 Bolt Bracket w Bolt & Wash	3/4" str	EA

FOR SIGN
MOUNTING

Stainless Steel Cable Ties Tools



TOOL-SS



BAND-SS

Part no.	Description	U/M
TOOL-SS	Tie Plier	EA
BAND-SS	Band Tool	EA

K-SPEC® CABLE TIES

Before you source cable ties or related nylon products, please make a correct choice due to different application purpose

The Cable Ties will be applied to:	Material	Function	Flam Class	Main Material Type	Application Temp.
General Purpose	Nylon 66 (PA66)	General	UL-94V2	Dupont 101F, Ascend 21 SPF(C)	-40°F~+185°F (-40°C~+85°C)

How to choose the right cable tie

The most important characteristics of a cable tie are:

- the raw-material they are made of (chemicals, weather, and heat resistance, low temperature resistance, the flammability rating)
- the tensile strength they can stand
- the max diameter they can bundle
- the shape of the tie in case of particular applications

Chemicals resistance

please ask for information about the chemical resistance, if you need to apply the cable ties into a special area

UV (Weather resistance)

All polymers including the polyamides used for the production of cable ties are sensitive to UV radiation.

The most common additive used for protecting polyamides from UV radiation is carbon powder commonly known as "carbon black".

Natural Cable Ties have low resistance to UV radiation, but natural color usually can reflect the sunlight, so it could be used for general purpose outdoor. But not suggested for outdoor application

Black Cable Ties are additivated with carbon black. They have improved weather and UV radiation resistance and are better suitable for outdoor applications, but this is not enough to protect the material from the damage due to the UV-radiation for a long time. For these needs the weather resistance cable ties could be used.

And if for a long term of outdoor use, and we strongly suggest you to choose Strong UV resistance (weather resistance) material and our strong UV resistance material, it has been tested by UL as an available long term outdoor application.

Temperature resistance

Polymers are also sensitive to temperatures.

All the material type above mentioned (except for Dupont MT409 & Ascend 41(47)), application of polyamide 6.6 cable ties is possible 26°F (-10°C), the polyamide becomes very brittle at temperatures below -40°F (-40°C). So for continuous use of low temperature, suggested with 26°F (-10°C). But Dupont MT409 & Ascend 41(47) could be applied with -40°F(-40°C) for a long term. The polyimide which can resistant and be applied with a high temperature, please read the related characters, and application temperature from the above table.

Flamability

The UL 94 test, the Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing

The classifications relate to materials commonly used in manufacturing enclosures, structural parts and insulators found in consumer electronic products (V-0, V-1, V-2, HB, from the highest level to the lowest)

Some Instructions for new UL standard 62275, and for your right choose of a cable ties.

• Loop tensile strength

Type 1 or 11 based,

No individual value shall be less than 50 % of the loop tensile strength declared after After heat aging, After temperature cycling.

Type 2 or 21 based,

No individual value shall be less than 100 % of the loop tensile strength declared after After heat aging, After temperature cycling.

• Minimum installation temperature and Operation temperature test

According to the new standard of UL62275, the minimum installation temperature, and operation temperature test should be made. Different factory they will declare different minimum installation temperature, and operation temperature as well. so new UL will show such information and to show the quality of the products, and the characters of the products.

• Smoke and heat generation

AH-1: Suitable for use in air-handling spaces — 1 (plenums) (for Metallic component, like stainless steel cable ties)

AH-2: Suitable for use in air-handling spaces — 2 (plenums) (for Non-metallic component and Composite component, like nylon cable ties, cable ties fixing, coated stainless steel cable ties)

Tensile Strength, max bundle diameter, and other characteristics are listed in each table.



K-SPEC® CABLE TIES

Standard Nylon Cable Ties (General Purpose)

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F ~+185°F (-40°C~+85°C)
- Suggested Installation temp. 14°F~185°F (-10°C~+85°C)
- Products listed with:



RoHS PAHs Reach

PLENUM
RATING
AH-2

	Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.
M	E4180C	Black	2.5 [.095]	100 [4.0]	20.5 [0.80]	8 [18]	100
	E4180M	Black	2.5 [.095]	100 [4.0]	20.5 [0.80]	8 [18]	1000
	E4189C	Natural	2.5 [.095]	100 [4.0]	20.5 [0.80]	8 [18]	100
	E4189M	Natural	2.5 [.095]	100 [4.0]	20.5 [0.80]	8 [18]	1000
	E6180C	Black	2.5 [.095]	150 [6.0]	36.5 [1.43]	8 [18]	100
	E6180M	Black	2.5 [.095]	150 [6.0]	36.5 [1.43]	8 [18]	1000
	E6189C	Natural	2.5 [.095]	150 [6.0]	36.5 [1.43]	8 [18]	100
	E6189M	Natural	2.5 [.095]	150 [6.0]	36.5 [1.43]	8 [18]	1000
	E8180C	Black	2.5 [.095]	200 [8.0]	52.5 [2.06]	8 [18]	100
	E8180M	Black	2.5 [.095]	200 [8.0]	52.5 [2.06]	8 [18]	1000
	E8189C	Natural	2.5 [.095]	200 [8.0]	52.5 [2.06]	8 [18]	100
	E8189M	Natural	2.5 [.095]	200 [8.0]	52.5 [2.06]	8 [18]	1000
	E14180C	Black	2.8 [.110]	380 [15.0]	109.8 [4.32]	8 [18]	100
	E14180M	Black	2.8 [.110]	380 [15.0]	109.8 [4.32]	8 [18]	1000
I	E5400C	Black	3.6 [.014]	140 [5.5]	33.0 [1.30]	18 [40]	100
	E5400M	Black	3.6 [.014]	140 [5.5]	33.0 [1.30]	18 [40]	1000
	E5409C	Natural	3.6 [.014]	140 [5.5]	33.0 [1.30]	18 [40]	100
	E5409M	Natural	3.6 [.014]	140 [5.5]	33.0 [1.30]	18 [40]	1000
	E8400C	Black	3.6 [.014]	200 [8.0]	52.5 [2.06]	18 [40]	100
	E8400M	Black	3.6 [.014]	200 [8.0]	52.5 [2.06]	18 [40]	1000
	E8409C	Natural	3.6 [.014]	200 [8.0]	52.5 [2.06]	18 [40]	100
	E8409M	Natural	3.6 [.014]	200 [8.0]	52.5 [2.06]	18 [40]	1000
	E11400C	Black	3.6 [.014]	280 [11.0]	78.0 [3.07]	18 [40]	100
	E11400M	Black	3.6 [.014]	280 [11.0]	78.0 [3.07]	18 [40]	1000
	E11409C	Natural	3.6 [.014]	280 [11.0]	78.0 [3.07]	18 [40]	100
	E11409M	Natural	3.6 [.014]	280 [11.0]	78.0 [3.07]	18 [40]	1000
	E14400C	Black	3.6 [.014]	370 [14.5]	106.0 [4.17]	18 [40]	100
	E14400M	Black	3.6 [.014]	370 [14.5]	106.0 [4.17]	18 [40]	1000
	E14409C	Natural	3.6 [.014]	370 [14.5]	106.0 [4.17]	18 [40]	100
	E14409M	Natural	3.6 [.014]	370 [14.5]	106.0 [4.17]	18 [40]	1000

NEW
NEW
NEW

K-Spec® Part No. Instructions:

E20175

Pack Qty Code
Color Code

Pack Qty	Code
50	L
100	C
500	D
1000	M

Color	Code	Color	Code
Natural	9	Blue*	6
White*	WH	Purple*	7
UVB Resistant Black	0	Gray*	8
Brown*	1	FL. Orange*	16
Red*	2	FL. Yellow*	17
Orange*	3	FL. Green*	18
Yellow*	4	FL. Blue*	20
Green*	5		

* 100,000 Piece Minimum Order for Colored Ties

K-SPEC® CABLE TIES

Standard Nylon Cable Ties (General Purpose)

	Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.	
S	E5500C	Black	4.6 [.181]	120 [4.7]	23.8 [0.93]	22 [50]	100	NEW
	E5500M	Black	4.6 [.181]	120 [4.7]	23.8 [0.93]	22 [50]	1000	NEW
	E5509C	Natural	4.6 [.181]	120 [4.7]	23.8 [0.93]	22 [50]	100	NEW
	E5509M	Natural	4.6 [.181]	120 [4.7]	23.8 [0.93]	22 [50]	1000	NEW
	E7500C	Black	4.8 [.189]	200 [8.0]	49.5 [1.94]	22 [50]	100	
	E7500M	Black	4.8 [.189]	200 [8.0]	49.5 [1.94]	22 [50]	1000	
	E7509C	Natural	4.8 [.189]	200 [8.0]	49.5 [1.94]	22 [50]	100	
	E7509M	Natural	4.8 [.189]	200 [8.0]	49.5 [1.94]	22 [50]	1000	
	E11500C	Black	4.8 [.189]	300 [11.8]	81.0 [3.18]	22 [50]	100	
	E11500D	Black	4.8 [.189]	300 [11.8]	81.0 [3.18]	22 [50]	500	
	E11509C	Natural	4.8 [.189]	300 [11.8]	81.0 [3.18]	22 [50]	100	
	E11509D	Natural	4.8 [.189]	300 [11.8]	81.0 [3.18]	22 [50]	500	
	E14500C	Black	4.8 [.189]	370 [14.5]	103.5 [4.07]	22 [50]	100	
	E14500D	Black	4.8 [.189]	370 [14.5]	103.5 [4.07]	22 [50]	500	
	E14509C	Natural	4.8 [.189]	370 [14.5]	103.5 [4.07]	22 [50]	100	
	E14509D	Natural	4.8 [.189]	370 [14.5]	103.5 [4.07]	22 [50]	500	
	E17500C	Black	4.8 [.189]	430 [17.0]	122.5 [4.82]	22 [50]	100	
	E17509C	Natural	4.8 [.189]	430 [17.0]	122.5 [4.82]	22 [50]	100	
	E24500C	Black	4.8 [.189]	610 [24.0]	179.9 [7.08]	22 [50]	100	NEW
	E24509C	Natural	4.8 [.189]	610 [24.0]	179.9 [7.08]	22 [50]	100	NEW
	E36500C	Black	4.8 [.189]	920 [36.0]	278.6 [10.97]	22 [50]	100	NEW
	E36509C	Natural	4.8 [.189]	920 [36.0]	278.6 [10.97]	22 [50]	100	NEW
HD								
	E81200C	Black	7.6 [.300]	220 [8.6]	57.2 [2.25]	55 [120]	100	
	E81209C	Natural	7.6 [.300]	220 [8.6]	57.2 [2.25]	55 [120]	100	
	E111200C	Black	7.6 [.300]	300 [11.8]	82.8 [3.25]	55 [120]	100	
	E111209C	Natural	7.6 [.300]	300 [11.8]	82.8 [3.25]	55 [120]	100	
	E141200C	Black	7.6 [.300]	380 [15.0]	108.0 [4.25]	55 [120]	100	
	E141209C	Natural	7.6 [.300]	380 [15.0]	108.0 [4.25]	55 [120]	100	
	E181200L	Black	7.6 [.300]	450 [18.0]	130.5 [5.13]	55 [120]	50	NEW
	E181209L	Natural	7.6 [.300]	450 [18.0]	130.5 [5.13]	55 [120]	50	NEW
	E201200L	Black	7.6 [.300]	540 [21.0]	159.0 [6.25]	55 [120]	50	NEW
	E201209L	Natural	7.6 [.300]	540 [21.0]	159.0 [6.25]	55 [120]	50	NEW
	E221200C	Black	7.6 [.300]	550 [21.6]	162.5 [6.39]	55 [120]	100	
	E221209C	Natural	7.6 [.300]	550 [21.6]	162.5 [6.39]	55 [120]	100	
	E241200L	Black	7.6 [.300]	610 [24.0]	181.5 [7.14]	55 [120]	50	NEW
	E241209L	Natural	7.6 [.300]	610 [24.0]	181.5 [7.14]	55 [120]	50	NEW
	E301200L	Black	7.6 [.300]	750 [29.5]	226.1 [8.90]	55 [120]	50	NEW
	E301209L	Natural	7.6 [.300]	750 [29.5]	226.1 [8.90]	55 [120]	50	NEW

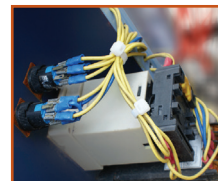
K-SPEC® CABLE TIES

Standard Nylon Cable Ties (General Purpose)

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F ~+185°F (-40°C~+85°C)
- Suggested Installation temp. 14°F~185°F (-10°C~+85°C)
- Products listed with:



RoHS PAHs Reach



	Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.	
EHD	E201750C	Black	8.8 [.345]	500 [19.7]	146.5 [5.76]	80 [175]	100	
	E201759C	Natural	8.8 [.345]	500 [19.7]	146.5 [5.76]	80 [175]	100	
	E221750L	Black	8.8 [.345]	550 [21.6]	163.5 [6.43]	80 [175]	50	NEW
	E221759L	Natural	8.8 [.345]	550 [21.6]	163.5 [6.43]	80 [175]	50	NEW
	E241750L	Black	8.8 [.345]	610 [24.0]	181.5 [7.14]	80 [175]	50	NEW
	E241759L	Natural	8.8 [.345]	610 [24.0]	181.5 [7.14]	80 [175]	50	NEW
	E281750C	Black	8.8 [.345]	710 [28.0]	213.3 [8.40]	80 [175]	100	
	E281759C	Natural	8.8 [.345]	710 [28.0]	213.3 [8.40]	80 [175]	100	
	E301750C	Black	8.8 [.345]	780 [30.5]	235.5 [9.27]	80 [175]	100	
	E301759C	Natural	8.8 [.345]	780 [30.5]	235.5 [9.27]	80 [175]	100	
	E321750C	Black	9.0 [.350]	810 [32.0]	245.0 [9.64]	80 [175]	100	
	E321759C	Natural	9.0 [.350]	810 [32.0]	245.0 [9.64]	80 [175]	100	
	E361750L	Black	9.0 [.350]	920 [36.0]	280.0 [11.0]	80 [175]	50	NEW
	E361759L	Natural	9.0 [.350]	920 [36.0]	280.0 [11.0]	80 [175]	50	NEW
	E411750L	Black	9.0 [.350]	1020 [40.1]	312.0 [12.2]	80 [175]	50	NEW
	E411759L	Natural	9.0 [.350]	1020 [40.1]	312.0 [12.2]	80 [175]	50	NEW
	E481750L	Black	9.0 [.350]	1220 [48.0]	375.5 [14.7]	80 [175]	50	
	E481759L	Natural	9.0 [.350]	1220 [48.0]	375.5 [14.7]	80 [175]	50	
HSD	E202500C	Black	12.4 [.490]	530 [20.9]	156.0 [5.90]	110 [250]	100	
	E202509C	Natural	12.4 [.490]	530 [20.9]	156.0 [5.90]	110 [250]	100	
	E242500C	Black	12.4 [.490]	650 [25.6]	195.0 [7.60]	110 [250]	100	
	E242509C	Natural	12.4 [.490]	650 [25.6]	195.0 [7.60]	110 [250]	100	
	E322500C	Black	12.4 [.490]	880 [34.6]	263.9 [10.4]	110 [250]	100	
	E322509C	Natural	12.4 [.490]	880 [34.6]	263.9 [10.4]	110 [250]	100	

- Item with “ * ”, the tooling is not available yet

Cable Ties Tension Tool

- Use the right tool for the job
- Help install cable ties to the correct tension



QC100
For ties up to 4.8mm (50Lb)



L200
For ties up to 4.8mm (50Lb)



L300
For Heavy Duty ties up to 9.0mm (175Lb)

K-SPEC® CABLE TIES

Velcro Cable Ties

- Self-locking head and body design
- Provides a fast and easy way of application
- Nylon material
- Water Resistance. If immersed in water, it still could work, but with 50% reduction of the tensile
- Available in Black, White, Green, Yellow, Red, Blue



Part no.	Ball Diameter mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [Inch]	Std. Pk. Qty.
VCT500_X	12.5 [.500]	130 [5.1]	35.0 [1.38]	10
VCT800_X	12.5 [.500]	205 [8.0]	59.0 [2.32]	10
VCT1200_X	17.0 [.670]	310 [12.0]	92.0 [3.60]	10

Mount Head Cable Ties

- Material with Pure Nylon 6.6, UL 94V-2,
Operation temp. -40°F~+185°F (-40°C~+85°C)



RoHS PAHs Reach



Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [Inch]	Min Loop Tensile Kgs [lb]	Fastener	Std. Pk. Qty.
E540MH0C	Black	3.6 [.140]	150 [6.0]	35.5 [1.40]	18 [40]	M4 [8#]	100
E540MH0M	Black	3.6 [.140]	150 [6.0]	35.5 [1.40]	18 [40]	M4 [8#]	1000
E540MH9C	Natural	3.6 [.140]	150 [6.0]	35.5 [1.40]	18 [40]	M4 [8#]	100
E540MH9M	Natural	3.6 [.140]	150 [6.0]	35.5 [1.40]	18 [40]	M4 [8#]	1000
E750MH0C	Black	4.8 [8.0]	200 [8.0]	49.8 [1.96]	22 [50]	M5 [10#]	100
E750MH0M	Black	4.8 [8.0]	200 [8.0]	49.8 [1.96]	22 [50]	M5 [10#]	1000
E750MH9C	Natural	4.8 [8.0]	200 [8.0]	49.8 [1.96]	22 [50]	M5 [10#]	100
E750MH9M	Natural	4.8 [8.0]	200 [8.0]	49.8 [1.96]	22 [50]	M5 [10#]	1000
E1150MH0C	Black	4.8 [12.0]	305 [12.0]	82.8 [3.26]	22 [50]	M5 [10#]	100
E1150MH0D	Black	4.8 [12.0]	305 [12.0]	82.8 [3.26]	22 [50]	M5 [10#]	500
E1150MH9C	Natural	4.8 [12.0]	305 [12.0]	82.8 [3.26]	22 [50]	M5 [10#]	100
E1150MH9D	Natural	4.8 [12.0]	305 [12.0]	82.8 [3.26]	22 [50]	M5 [10#]	500
E1450MH0C	Black	4.8 [14.5]	370 [14.5]	103.8 [4.09]	22 [50]	M5 [10#]	100
E1450MH0D	Black	4.8 [14.5]	370 [14.5]	103.8 [4.09]	22 [50]	M5 [10#]	500
E1450MH9C	Natural	4.8 [14.5]	370 [14.5]	103.8 [4.09]	22 [50]	M5 [10#]	100
E1450MH9D	Natural	4.8 [14.5]	370 [14.5]	103.8 [4.09]	22 [50]	M5 [10#]	500
E14120MH0C	Black	7.6 [15.7]	400 [15.7]	109.2 [4.30]	55 [120]	M6 [1/4#]	100
E14120MH9C	Natural	7.6 [15.7]	400 [15.7]	109.2 [4.30]	55 [120]	M6 [1/4#]	100

NEW
NEW
NEW
NEW
NEW
NEW
NEW

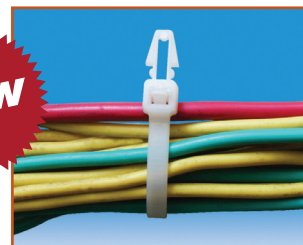
K-SPEC® CABLE TIES

Push Mount Cable Ties

- Material with Pure Nylon 6.6, UL 94V-2,
Operation temp. -40°F ~+185°F (-40°C~+85°C)

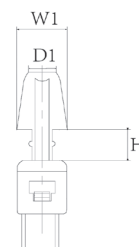


RoHS PAHs Reach



Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.
E750PM0C	Black	4.8 [.189]	200 [8.0]	50.8 [2.00]	22 [50]	100
E750PM9C	Natural					

Part no.	Color	W1 mm [inch]	D1 mm [inch]	H (max Panel Thickness) mm [inch]	Min Hole Size mm [inch]
E750PM0C	Black	7.00 [.275]	4.30 [.169]	3.90 [.153]	4.90 [.193]
E750PM9C	Natural				

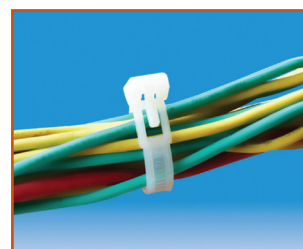


Releasable Cable Ties (Trigger type)

- Material with Pure Nylon 6.6, UL 94V-2,
Operation temp. -40°F ~+185°F (-40°C~+85°C)



RoHS PAHs Reach



Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.
E550R0C	Black	7.6 [.300]	150 [6.0]	40.3 [1.59]	22 [50]	100
E550R9C	Natural					
E850R0C	Black	7.6 [.300]	200 [8.0]	55.6 [2.19]	22 [50]	100
E850R9C	Natural					
E1450R0C	Black	7.6 [.300]	370 [14.5]	109.9 [4.33]	22 [50]	100
E1450R9C	Natural					

K-SPEC® CABLE TIES

Double Loop Cable Ties

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F ~+185°F (-40°C~+85°C)



RoHS PAHs Reach

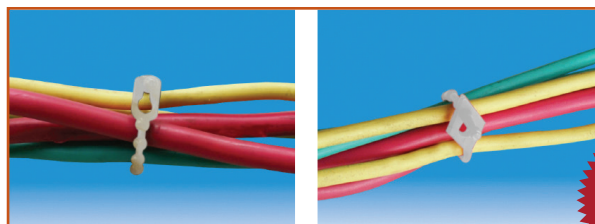


NEW

Part no.	Color	Width mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Min Loop Tensile Kgs [lb]	Std. Pk. Qty.
E750DL0C	Black	4.8 [.189]	200 [8.0]	57.1 [2.15]	22 [50]	100
E750DL9C	Natural					

Beaded Cable Ties

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F ~+185°F (-40°C~+85°C)



Type A

Type B

NEW

Part no.	Ball Diameter mm [Inch]	Length mm [Inch]	Max Bundle Diameter mm [inch]	Head Type	Std. Pk. Qty.
BT4089M	2.5 [.095]	100 [4.0]	25.0 [0.98]	A	1000
BT8089C	2.5 [.095]	200 [8.0]	51.9 [2.04]	B	100

650 Jar Pack

- Material with Pure Nylon 6.6, UL 94V-2, Operation temp. -40°F ~+185°F (-40°C~+85°C)
- Tube Size: Diameter 11.5 cm [4.52"], Height 31cm [12.00"]
- Tube material: PET / Lid Material: PP
- Total of 650 Cable Ties

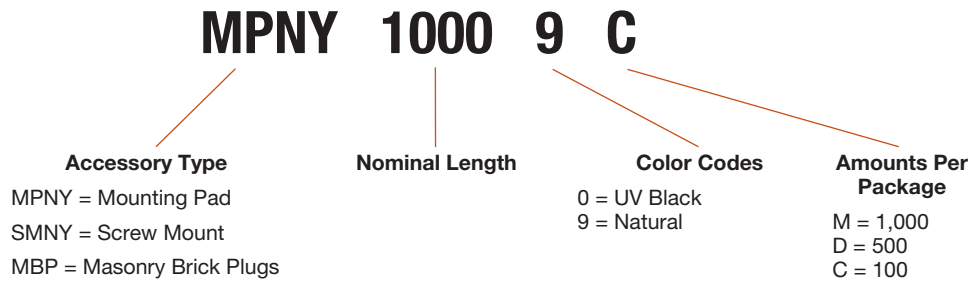
Part no.	Contents	Color	Qty.
JAR650	2.5x100mm [4" 18lb]	Natural	100 pcs
	2.5x100mm [4" 18lb]	Red	50 pcs
	2.5x100mm [4" 18lb]	Green	50 pcs
	2.5x100mm [4" 18lb]	Blue	50 pcs
	2.5x100mm [4" 18lb]	Yellow	50 pcs
	4.8x200mm [8" 50lb]	Natural	300 pcs
	4.8x280mm [11" 50lb]	Natural	50 pcs



JAR650

CABLE TIE ACCESSORIES

READING ELECDIRECT CABLE TIE ACCESSORY PART NUMBERS

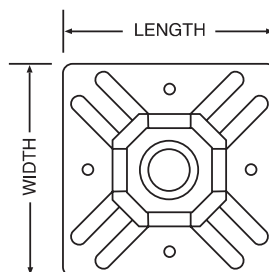


MOUNTING PADS

- **Easy Insertion of Cable Ties** lead-n-feature funnels cable ties into position and countersunk screw hole allows cable tie to easily pass over screw head
- **Saves Positioning Time** with the 4 sided entry and center screw hole



PLENUM
RATING
AH-2



Rubber Adhesive Natural & UV Black Cable Ties Mount (4Ways)

- Material with Pure Nylon 6.6, UL 94V-2,
Operation temp. -40°F ~+185°F (-40°C~+85°C)

Part no.	Color	Width mm [Inch]	Length mm [Inch]	Screw Size	For Cable Ties width up to mm [inch]	Std. Pk. Qty.
MPNY7500C	Black	19 [3/4]	19 [3/4]	#4	3.6 [.140]	100
MPNY7509C	Natural					
MPNY7500D	Black	19 [3/4]	19 [3/4]	#4	3.6 [.140]	500
MPNY7509D	Natural					
MPNY10000C	Black	28 [1.1]	28 [1.1]	#6	4.8 [.189]	100
MPNY10009C	Natural					
MPNY10000D	Black	28 [1.1]	28 [1.1]	#6	4.8 [.189]	500
MPNY10009D	Natural					
MPNY15000C	Black	40 [1-1/2]	40 [1-1/2]	#6	9.0 [.354]	100
MPNY15009C	Natural					
MPNY15000D	Black	40 [1-1/2]	40 [1-1/2]	#6	9.0 [.354]	500
MPNY15009D	Natural					

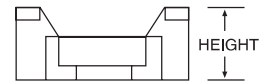
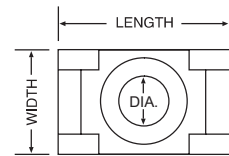
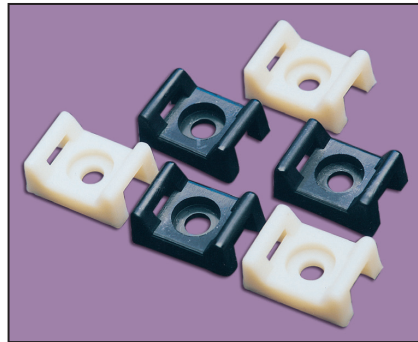
Tolerance: .XXX = ±.005, .XX = ±.015, Fraction = ±1/32"



RoHS PAHs Reach

SCREW MOUNTS

- **Secure Support** deep cradle design provides maximum support for larger bundles and tubing
- **Easy Insertion of Cable Ties** deep recessed screw hole allows cable ties to pass over screw head



Standard Screw Mounts Natural & Black

Part Number	Color & Material	Height Inch/mm	Length Inch/mm	Width Inch/mm	Slot Height Inch/mm	Slot Width Inch/mm	Mount Method Inch/mm	Per Bag	Per Case
SMNY0019C	Natural Nylon	.280/7.11	.600/15.24	.385/9.77	.060/1.52	.200/5.08	#4-#6 Screw	100	1,000
SMNY0029C	Natural Nylon	.390/9.90	.875/22.22	.625/15.87	.090/2.29	.325/8.26	#12-1/4 Screw	100	1,000
SMNY0010C	Black Nylon	.280/7.11	.600/15.24	.385/9.77	.060/1.52	.200/5.08	#4-#6 Screw	100	1,000
SMNY0020C	Black Nylon	.390/9.90	.875/22.22	.625/15.87	.090/2.29	.325/8.26	#12-1/4 Screw	100	1,000
SMNY0019D	Natural Nylon	.280/7.11	.600/15.24	.385/9.77	.060/1.52	.200/5.08	#4-#6 Screw	500	1,000
SMNY0029D	Natural Nylon	.390/9.90	.875/22.22	.625/15.87	.090/2.29	.325/8.26	#12-1/4 Screw	500	1,000
SMNY0010D	Black Nylon	.280/7.11	.600/15.24	.385/9.77	.060/1.52	.200/5.08	#4-#6 Screw	500	1,000
SMNY0020D	Black Nylon	.390/9.90	.875/22.22	.625/15.87	.090/2.29	.325/8.26	#12-1/4 Screw	500	1,000

Tolerance: $\pm .03"/.76$ mm

CABLE TIE

ASSORTMENT



Three
Compartments
with Resealable
Access Doors



Total Ties	Part no.	Cable Tie Part no.	Ties Per Pac	Color & Material	Tie Length		Tie Tensile	Bundle Diameter	UL-CSA	Military Specification	Per Case	ANSI/UL 62275 TYPE
					Inch	Pac						
400	TECHPAC4009	L-11509	100	Natural Nylon	11.2	285	50lb	1/16 - 3	UL-CSA	MS3367-7-9	20	21
Clam Shell Dimensions: 14 x 7-1/8" x 2" PVC		L-7509			7.5	190		1/16 - 1-3/4		MS3367-1-9		
		L-4189			4.0	102		1/16 - 7/8		MS3367-4-9		
400	TECHPAC4000	L-11500	100	UV Black Nylon	11.2	285	50lb	1/16 - 3	UL-CSA	MS3367-7-0	20	21
Clam Shell Dimensions: 14 x 7-1/8" x 2" PVC		L-7500			7.5	190		1/16 - 1-3/4		MS3367-1-0		
		L-4180			4.0	102		1/16 - 7/8		MS3367-4-0		

- Sold in case quantities only
- 20/case

CABLE TIE INSTALLATION TOOLS



QC100

A lightweight tool for least critical applications. Cinch tie to desired bundle and twist tool to remove excess strap. Recommended for use with 18 – 50 pound ties.



L400

Tool for use with 18 – 50 pound ties. Automatic cut-off and adjustable tensioning for dependable use in assembly applications.



L200

Tool for use with 18 – 50 pound ties. Automatic cut-off removes excess strap flush against cable tie head. Tool is equipped with adjustable tensioning.

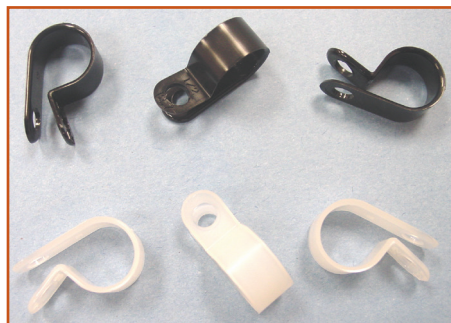


L300

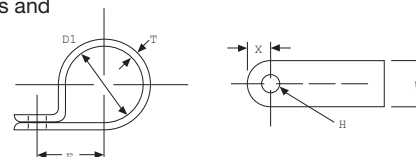
Rugged construction makes this tool ideal for use with our 120 – 175 pound ties. Cinch tie to desired bundle and pull trigger to cut excess flush at Cable Tie head.

Field proven durability.

CABLE CLAMPS & CLIPS



- Fully Radiused Inside Edges with Size Markings in Inches and Millimeters for Easy Identification
- Stocked in Natural White and Black 6/6 Nylon 94 V-2
- 11 Diameters and 5 Widths with Mounting Holes for #4 through #10 Screws
- Non-Conductive, Non-Corrosive; Resistant to Fuels, Lubricants and most Chemicals



Part no.		D1 Closed Diameter		E		T Thickness		W Width		H Hole Diameter		X		Per Package
White	Black	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	
766046C	767046C	.126	(3.2)	.355	(9.0)	.060	(1.5)	.512	(13.0)	.205	(5.2)			100
766500C	767500C	.170	(4.3)	.414	(1.5)	.060	(1.5)	.414	(1.5)	.205	(5.2)			
766076C	767076C	.248	(6.3)	.414	(1.5)	.060	(1.5)	.374	(9.5)	.189	(4.8)			
766053C	767053C	.300	(7.6)	.414	(1.5)	.060	(1.5)	.374	(9.5)	.189	(4.8)			
766054C	767054C	.343	(8.7)	.493	(12.5)	.060	(1.5)	.488	(12.4)	.189	(4.8)			
766047C	767047C	.496	(12.6)	.591	(15.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
766077C	767077C	.622	(15.8)	.709	(18.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
766078C	767078C	.764	(19.4)	.709	(18.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
766079C	767079C	1.000	(25.4)	.866	(22.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
766050C	767050C	1.252	(31.8)	1.024	(26.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
766503C	767503C	1.445	(36.7)	1.187	(3.0)	.060	(1.5)	.473	(12.0)	.189	(4.8)			
Tolerance ±		.010	.030	.005	.015	.010	.030							
		(.254)	(.762)	(.127)	(.381)	(.254)	(.762)							

MARKING PENS

MKR-PEN-2	Red Marking Pen
MKR-PEN-6	Blue Marking Pen
MKR-PEN-0	Black Marking Pen

Ideal for marking applications. Permanently marks most materials, including plastics. Quick drying; fine point.



MATERIALS FOR MOLDED ASSEMBLY HARDWARE

Property	ASTM Method	Test Condition	Units	Molded 6/6 Nylon	Nylon
Tensile Strength	D638	+73°F; 50% RH	kpsi	11.2	9
Elongation at Break	D638	+73°F; 50% RH	%	≥300	200
Yield Strength	D638	+73°F; 50% RH	kpsi	8.5	9
Shear Strength	D732	Dry As Molded (DAM)	kpsi	9.6	10.5
Deformation Under Load	D621	2,000 psi +122°F; DAM	%	1.4	1.2
IZOD Impact	D256	+73°F; 50% RH	ft lb/in	2.1	2
Tensile Impact Strength	D1822	+73°F; Long Specimen; DAM	ft lb/in ²	240	N.R.
Melting Point	D789	Fisher-Johns	°F	491	491
Thermal Linear Expansion	D696	DAM	in/in/°F	4 x 10 ⁻⁵	N.R.
Thermal Conductivity	—	DAM Conche-Fitch	BTU - in/ h • ft ² • °F	1.7	1.7
Brittleness Temperature	D746	50% RH	°F	-85	-62
Oxygen Index	D2863	DAM 50% RH	%O ₂	28 31	25 31
UL Flammability	UL 94	DAM 50% RH	— —	V-2 V-2	V-2 V-2

- Material data as provided by our suppliers.
- Tests conducted on 1/4" specimens.
- N.R. = Not Reported

NBS Smoke Generation For 6/6 Nylon

Sample Thickness	UL Flammability	Energy Source	Specific Optical Density	
			at Maximum Smoke Accumulation	at 2 Minutes
1/16"	94 V-2	Radiant (2.5 watts/sq cm)	13	0
1/8"	94 V-2	Radiant Plus Flaming Gas Jets	26	1

- Results as provided by National Bureau of Standards (NBS). Results may not be directly correlated with larger fires, such as burning buildings. Materials should be tested to your application.

Temperature Index For Molded Nylons

Material	Minimum Thickness (in)	Temperature Index		Hot Wire Ignition (sec)
		Electrical (°C)	Mechanical w/o Impact (°C)	
6/6 Nylon	0.028	125	65	11.8
UV Black Nylon	0.058	125	85	15.0
	0.120	125	85	35.0
	0.240	125	85	35.0
Heat Stabilized Nylon	0.028	130	95	9.0
	0.058	130	105	11.0
	0.120	130	110	20.0

- Temperature Index is the temperature at which the specific property will decrease to one-half its original value after 60,000 hours exposure at that temperature.

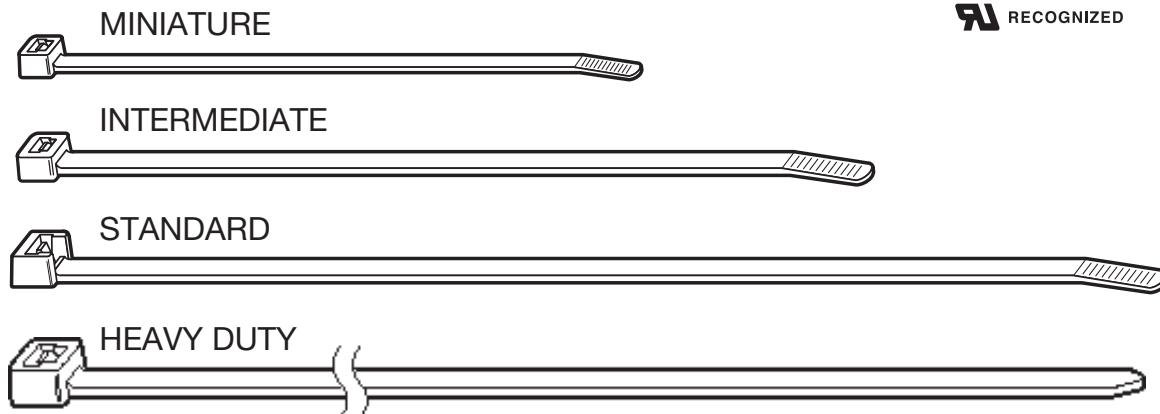
About Nylon...

Nylon possess an outstanding balance of properties combining strength, moderate stiffness, high service temperature and a high level of toughness. Nylon is particularly resistant to repeated impact, has a low co-efficient of friction and excellent abrasion resistance.

Nylon is resistant to fuels, lubricants and most chemicals, but is attacked by phenols, strong acids and oxidizing agents.

Nylon is inherently susceptible to environmental conditions. ElecDirect Cable Ties are moisturized to optimum performance levels at machine-side and should be stored in cool dry areas out of direct sunlight. Cable Ties are packaged in plastic bags to contain moisture and should remain sealed until ready for use.

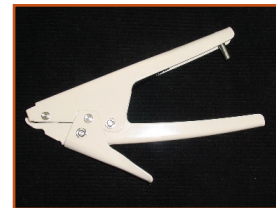
MIL-SPEC CABLE TIES



UL RECOGNIZED

Per Bag	Mil-Spec	Part no.	ME.T Ties	Material	ID Code	Tool Setting
100	MS-3367-1-0	L-7500C	MET-7500C	UV Black Nylon	STD	6 to 8
	MS-3367-1-2	L-7502C	MET-7502C	Red Nylon		
	MS-3367-1-3	L-7503C	MET-7503C	Orange Nylon		
	MS-3367-1-4	L-7504C	MET-7504C	Yellow Nylon		
	MS-3367-1-5	L-7505C	MET-7505C	Green Nylon		
	MS-3367-1-6	L-7506C	MET-7506C	Blue Nylon		
	MS-3367-1-7	L-7507C	MET-7507C	Purple Nylon		
	MS-3367-1-8	L-7508C	MET-7508C	Gray Nylon		
	MS-3367-1-9	L-7509C	MET-7509C	Natural Nylon		
	MS-3367-2-0	L-14500C	MET-14500C	UV Black Nylon		
500	MS-3367-2-0	L-14500D	MET-14500D	UV Black Nylon		
100	MS-3367-2-6	L-14506C	MET-14506C	Blue Nylon		
	MS-3367-2-9	L-14509C	MET-14509C	Natural Nylon		
500	MS-3367-2-9	L-14509D	MET-14509D	Natural Nylon		
100	MS-3367-3-0	L-141200C	MET-141200C	UV Black Nylon	HVY	5 to 8
	MS-3367-3-2	L-141202C	MET-141202C	Red Nylon		
	MS-3367-3-5	L-141205C	MET-141205C	Green Nylon		
	MS-3367-3-9	L-141209C	MET-141209C	Natural Nylon		
	MS-3367-4-0	L-4180C		UV Black Nylon	MIN	1 to 3
	MS-3367-4-9	L-4189C		Natural Nylon		
	MS-3367-5-0	L-5400C	MET-5400C	UV Black Nylon	INT	3 to 5
	MS-3367-5-1	L-5401C	MET-5401C	Brown Nylon		
	MS-3367-5-2	L-5402C	MET-5402C	Red Nylon		
	MS-3367-5-3	L-5403C	MET-5403C	Orange Nylon		
	MS-3367-5-4	L-5404C	MET-5404C	Yellow Nylon		
	MS-3367-5-5	L-5405C	MET-5405C	Green Nylon		
	MS-3367-5-6	L-5406C	MET-5406C	Blue Nylon		
	MS-3367-5-8	L-5408C	MET-5408C	Gray Nylon		
	MS-3367-5-9	L-5409C	MET-5409C	Natural Nylon		
50	MS-3367-6-9	L-301209L		Natural Nylon	HVY	5 to 8
	MS-3367-6-0	L-301200L		UV Black Nylon		
100	MS-3367-7-0	L-11500C	MET-11500C	UV Black Nylon		
500	MS-3367-7-0	L-11500D	MET-11500D	UV Black Nylon		
100	MS-3367-7-2	L-11502C	MET-11502C	Red Nylon	STD	6 to 8
	MS-3367-7-9	L-11509C	MET-11509C	Natural Nylon		
500	MS-3367-7-9	L-11509D	MET-11509D	Natural Nylon		

- CSA 213040
 - UL File No. E303945
- Recognized Components
- Wire Positioning Devices
- Mounting Pads
- Cable Ties



Use L-300 Tool