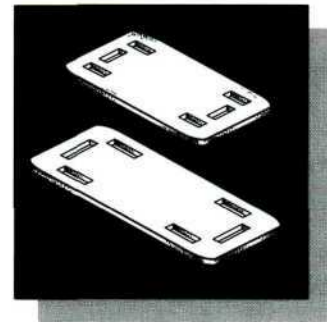
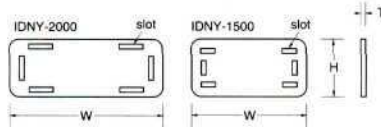


Catamount®

Cable Ties

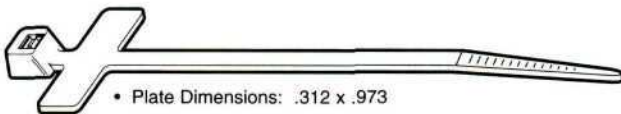
- Two Tags for Marking Bundles to 9" Diameters
- Run Ties through opposing Mounting Holes Lengthwise or across the Height of Tags
- IDNY-1500 accepts Ties to 50 pound Tensile; IDNY-2000 accepts Ties to 120 pound Tensile
- Stocked in 6/6 Natural Nylon
- UL Flammability 94 V-2
- Non-Conductive, Non-Corrosive; Resistant to Fuels, Lubricants and most Chemicals



IDENTIFICATION TAGS

Item Number	H Height		W Width		T Thickness		Slot Height		Slot Width		Per Package
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	
IDNY-1500-9-M	.745	(18.92)	1.500	(38.08)	.015	(.381)	.090	(2.29)	.200	(5.08)	1000
IDNY-2000-9-M			2.000	(50.78)	.025	(.653)	.113	(2.87)	.336	(8.53)	
Tolerance ±	.015	(.381)	.030	(.762)	.005	(.127)	.010		(.254)		

- Matte finish for sharp legends

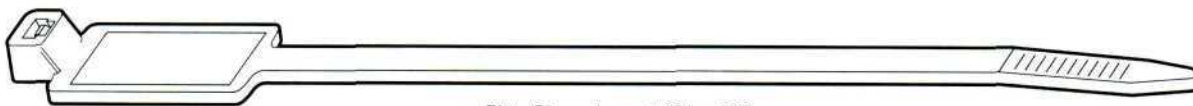


- Plate Dimensions: .312 x .973

IDENTIFICATION TIES

Per Bag	Item Number	Material	Color	Maximum Bundle Diameter		Length		Width		Minimum Loop Tensile	
				Inch	(mm)	Inch	(mm)	Inch	(mm)	LB	(kg)
100	L-4-18ID-9-C	Nylon	Natural	¾	(19)	4.0	(102)	.100	(2.54)	18	(8.2)
1000	L-4-18ID-9-M										

- Use QC-100, L-200 or L-400 Installation Tool



- Plate Dimensions: 1.081 x .522

Per Bag	Item Number	Material	Color	Maximum Bundle Diameter		Length		Width		Minimum Loop Tensile	
				Inch	(mm)	Inch	(mm)	Inch	(mm)	LB	(kg)
100	L-7-50ID-9-C	Nylon	Natural	1¾	(44)	7.875	(200)	.183	(4.65)	50	(22.7)
1000	L-7-50ID-9-M										

- Use QC-100, L-200 or L-400 Installation Tool

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.



Catamount®

Cable Ties

MATERIALS FOR MOLDED ASSEMBLY HARDWARE

Property	ASTM Method	Test Condition	Units	Molded 6/6 Nylon	Heat Stabilized Nylon	Nylon
Tensile Strength	D638	+73°F; 50% RH	kpsi	11.2	11.2	9.0
Elongation at Break	D638	+73°F; 50% RH	%	≥300	≥300	200
Yield Strength	D638	+73°F; 50% RH	kpsi	8.5	8.5	9.0
Shear Strength	D732	Dry As Molded (DAM)	kpsi	9.6	9.6	10.5
Deformation Under Load	D621	2,000 psi +122°F; DAM	%	1.4	1.4	1.2
IZOD Impact	D256	+73°F; 50% RH	ft lb/in	2.1	2.1	2.0
Tensile Impact Strength	D1822	+73°F; Long Specimen; DAM	ft lb/in ²	240	240	N.R.
Melting Point	D789	Fisher-Johns	°F	491	491	491
Thermal Linear Expansion	D696	DAM	in/in/°F	4 x 10 ⁻⁶	4 x 10 ⁻⁶	N.R.
Thermal Conductivity	—	DAM Conche-Fitch	BTU - in/ h · ft · °F	1.7	1.7	1.7
Brittleness Temperature	D746	50% RH	°F	-85	-85	-62
Oxygen Index	D2863	DAM 50% RH	%O ₂	28 31	28 31	25 31
UL Flammability	UL 94	DAM 50% RH	— —	V-2 V-2	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	.028	125	65	11.8
	.058	125	85	15.0
UV Black Nylon	.120	125	85	35.0
	.240	125	85	35.0
Heat Stabilized Nylon	.028	130	95	9.0
	.058	130	105	11.0
	.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...

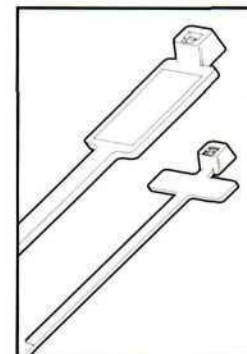
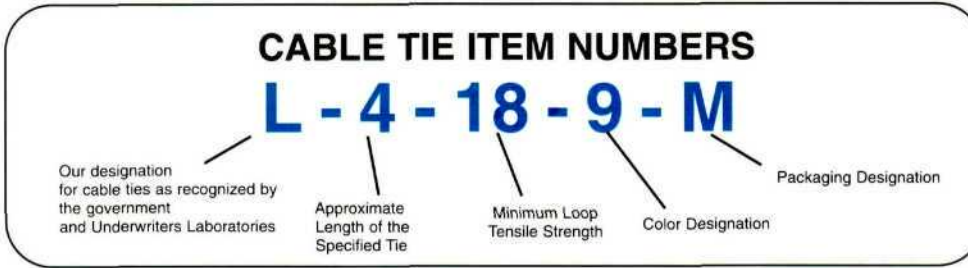
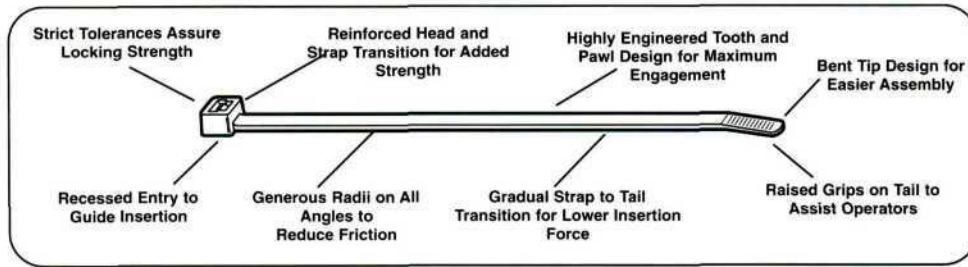
Nylons possess an outstanding balance of properties combining strength, moderate stiffness, high service temperature and a high level of toughness. Nylon is particularly resistant to repeated impact, has a low co-efficient of friction and excellent abrasion resistance.

Nylon is resistant to fuels, lubricants and most chemicals, but is attacked by phenols, strong acids and oxidizing agents. Contact your Catamount Customer Service Representative or your Catamount Distributor for chemical data relative to your application.

Nylon is inherently susceptible to environmental conditions. Catamount 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.

Catamount®

Cable Ties



I.D. TIES (PAGE 11)

Catamount®

Cable Ties

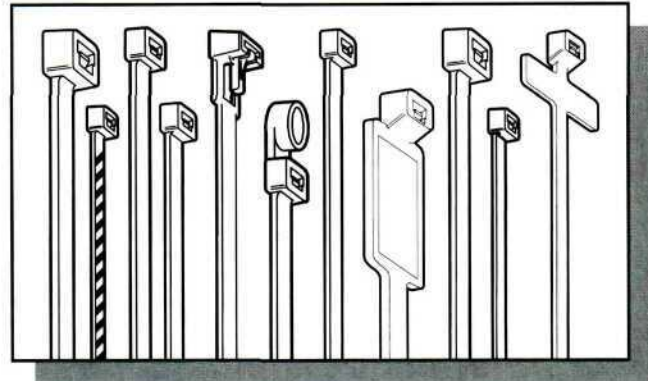
Catamount's Cable Ties are available in lengths from 4" to our exclusive 48" strap. Cable Ties will satisfy bundling requirements from 1/16" to 15" and loop tensile strengths from 18 to 175 pounds.

Cable Ties are stocked in materials and colors as listed. Contact your Catamount Distributor or Customer Service Representative for availability in special materials and colors.

Where applicable, Catamount Cable Ties are UL Recognized, Mil-Spec Approved and/or QPL Listed.

State-of-the-art robotic and raw material handling equipment assures product and material integrity throughout the manufacturing process. Overall quality is achieved through statistical analysis and quality driven operator objectives. Catamount has attained Mil-Spec I-45208 quality ratings from a number of equipment manufacturers.

Catamount products are sold through stocking Catamount Distributors.



MINIATURE
INTERMEDIATE
STANDARD
MOUNTING HEAD
RESTRICTED BUNDLE
HEAVY DUTY
EXTRA HEAVY DUTY
RELEASABLE TIES
STRIPED TIES
IDENTIFICATION TIES
MIL-SPEC TIES



MINIATURE - SERIES 18

Per Bag	Item Number	Material	Color	Bundle Diameter		Length		Width		Minimum Loop Tensile		
				Inch	(mm)	Inch	(mm)	Inch	(mm)	LB	(kg)	
100	L-4-18HS-0-C	Heat Stabilized Nylon	Black	1/16 - 1/8	(2 - 16)	4.0	(102)	.100	(3)	18	(8.2)	
1000	L-4-18HS-0-M											
100	L-4-18-0-C	UV Nylon										
1000	L-4-18-0-M											
100	L-4-18-9-C	Nylon	Natural									
1000	L-4-18-9-M											
100	P-4-18-1-C	Nylon Colors	Brown									
	P-4-18-2-C		Red									
	P-4-18-3-C		Orange									
	P-4-18-4-C		Yellow									
	P-4-18-5-C		Green									
	P-4-18-6-C		Blue									
	P-4-18-7-C		Purple									
	P-4-18-8-C		Gray									
1000	L-6-18-0-M	UV Nylon	Black	1/16 - 1/8	(2 - 38)	6.4	(163)	.100	(3)	18	(8.2)	
100	L-6-18-9-C	Nylon	Natural									
1000	L-6-18-9-M											
100	L-8-18-0-C	UV Nylon	Black	1/8 - 2	(2 - 51)	8.0	(202)	.100	(3)	18	(8.2)	
1000	L-8-18-0-M											
100	L-8-18-9-C											Nylon
1000	L-8-18-9-M											

• Use QC-100, L-200, L-400, L-400C, or ERG-299 Installation Tools