elecDirect.com

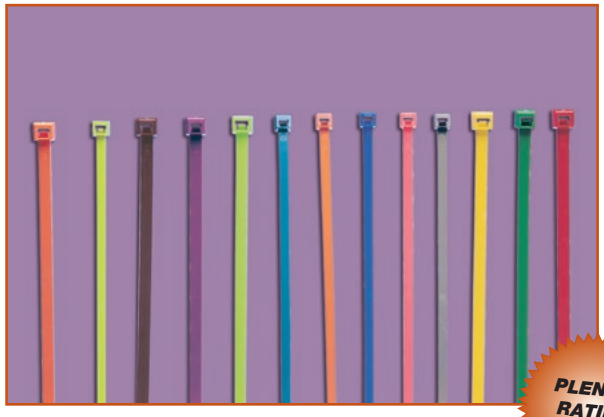
COLOR & FLUORESCENT CABLE TIES

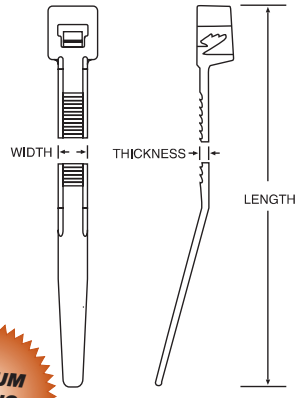
- **High Quality Color Concentrates** produce color consistency time after time
- **Ideal Applications:** color coding, identification, packaging continuity, and bundling aesthetics

RoHS COMPLIANT

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 = ±.005, .XX = ±.015, Fraction = ±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.

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 24˚F
- **Plenum Rating:** AH-2

READING ELECDIRECT CABLE TIE PART NUMBERS

L - 07 50 MH 9 C

Company Identification & Package Type
L = Specification Label
E = Specification Label
MET = Specification Label

Nominal Length

Tensile Strength
18lb
30lb
40lb
50lb
100lb
120lb
150lb
175lb
250lb

Tie Type
ID = Identification
LP = Low Profile
MH = Mounting Hole
PM = Push Mount
RL = Releasable
SS = Stainless Steel
FL = Fluorescent

Color Codes
0 = UV Black
1 = Brown
2 = Red
3 = Orange
4 = Yellow
5 = Green
6 = Blue
7 = Purple
8 = Gray
9 = Natural
11 = Fluorescent Pink
16 = Fluorescent Orange
17 = Fluorescent Yellow
18 = Fluorescent Green
20 = Fluorescent Blue

Amounts Per Package
M = 1,000
D = 500
C = 100
L = 50
X = 10

c UL us LISTED

ANSI/UL 62275 TYPE 21 AH-2 POSITIONING DEVICE

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

elecDirect.com

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

			Specific Optical Density	
Sample Thickness	UL Flammability	Energy Source	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 0.120 0.240	125 125 125	85 85 85	15.0 35.0 35.0
Heat Stabilized Nylon	0.028 0.058 0.120	130 130 130	95 105 110	9.0 11.0 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.