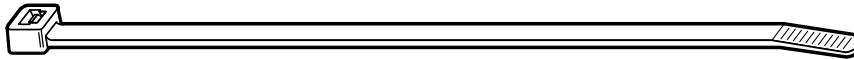


K-SPEC® ECONOMY CABLE TIES



Part#	Type	Length	Max. Bundle Dia.	Tensile Strength	Colour	Quantity	U/M
E4180C	K-SPEC® Cable Tie	4"	.748	18 lb.	Black	100 Pk	C
E4180M	K-SPEC® Cable Tie	4"	.748	18 lb.	Black	1000 Pk	M
E4189C	K-SPEC® Cable Tie	4"	.748	18 lb.	Natural	100 Pk	C
E4189M	K-SPEC® Cable Tie	4"	.748	18 lb.	Natural	1000 Pk	M
E418ID9C	K-SPEC® Cable Tie	4"	.748	18 lb. ID	Natural	100 Pk	C
E418TID9M	K-SPEC® Cable Tie	4.1"	.748	18 lb. TID	Natural	1000 Pk	M
E5400C	K-SPEC® Cable Tie	5.5"	1.34	40 lb.	Black	100 Pk	C
E5400M	K-SPEC® Cable Tie	5.5"	1.34	40 lb.	Black	1000 Pk	M
E5409C	K-SPEC® Cable Tie	5.5"	1.34	40 lb.	Natural	100 Pk	C
E5409M	K-SPEC® Cable Tie	5.5"	1.34	40 lb.	Natural	1000 Pk	M
E6180C	K-SPEC® Cable Tie	6.1"	1.58	18 lb.	Black	100PAK	M
E6180M	K-SPEC® Cable Tie	6.1"	1.58	18 lb.	Black	1000 Pk	M
E6189C	K-SPEC® Cable Tie	6.1"	1.58	18 lb.	Natural	100 Pk	M
E6189M	K-SPEC® Cable Tie	6.1"	1.58	18 lb.	Natural	1000 Pk	M
E7500C	K-SPEC® Cable Tie	7.9"	1.81	50 lb.	Black	100 Pk	M
E7500M	K-SPEC® Cable Tie	7.9"	1.81	50 lb.	Black	1000 Pk	M
E7509C	K-SPEC® Cable Tie	7.9"	1.81	50 lb.	Natural	100 Pk	M
E7509M	K-SPEC® Cable Tie	7.9"	1.81	50 lb.	Natural	1000 Pk	M
E750ID9C	K-SPEC® Cable Tie	7.8"	1.97	50 lb. ID	Natural	100 Pk	M
E8180C	K-SPEC® Cable Tie	7.7"	1.97	18 lb.	Black	100 Pk	M
E8180M	K-SPEC® Cable Tie	7.7"	1.97	18 lb.	Black	1000 Pk	M
E8189C	K-SPEC® Cable Tie	7.7"	1.97	18 lb.	Natural	100 Pk	M
E8189M	K-SPEC® Cable Tie	7.7"	1.97	18 lb.	Natural	1000 Pk	M
E8400C	K-SPEC® Cable Tie	8"	1.97	40 lb.	Black	100 Pk	M
E8400M	K-SPEC® Cable Tie	8"	1.97	40 lb.	Black	1000 Pk	M
E8409C	K-SPEC® Cable Tie	8"	1.97	40 lb.	Natural	100 Pk	M
E8409M	K-SPEC® Cable Tie	8"	1.97	40 lb.	Natural	100 Pk	M
E81200C	K-SPEC® Cable Tie	8"	1.89	120 lb.	Black	100 Pk	M
E81209C	K-SPEC® Cable Tie	8"	1.89	120 lb.	Natural	100 Pk	M
E11400C	K-SPEC® Cable Tie	11.8"	3.03	40 lb.	Black	100 Pk	M
E11400M	K-SPEC® Cable Tie	11.8"	3.03	40 lb.	Black	1000 Pk	M
E11409C	K-SPEC® Cable Tie	11.8"	3.03	40 lb.	Natural	100 Pk	M
E11409M	K-SPEC® Cable Tie	11.8"	3.03	40 lb.	Natural	1000 Pk	M
E11500C	K-SPEC® Cable Tie	11.3"	2.95	50 lb.	Black	100 Pk	M
E11500D	K-SPEC® Cable Tie	11.3"	2.95	50 lb.	Black	500 Pk	D
E11509C	K-SPEC® Cable Tie	11.3"	2.95	50 lb.	Natural	100 Pk	M
E11509D	K-SPEC® Cable Tie	11.3"	2.95	50 lb.	Natural	500 Pk	D
E14400C	K-SPEC® Cable Tie	14.5"	3.94	40 lb.	Black	100 Pk	M
E14400M	K-SPEC® Cable Tie	14.5"	3.94	40 lb.	Black	1000 Pk	M
E14409C	K-SPEC® Cable Tie	14.5"	3.94	40 lb.	Natural	100 Pk	M
E14409M	K-SPEC® Cable Tie	14.5"	3.94	40 lb.	Natural	1000 Pk	M
E14500C	K-SPEC® Cable Tie	14.5"	3.94	50 lb.	Black	100 Pk	M
E14500D	K-SPEC® Cable Tie	14.5"	3.94	50 lb.	Black	500 Pk	D
E14509C	K-SPEC® Cable Tie	14.5"	3.94	50 lb.	Natural	100 Pk	M
E14509D	K-SPEC® Cable Tie	14.5"	3.94	50 lb.	Natural	500 Pk	D
E141200C	K-SPEC® Cable Tie	14.5"	3.94	120 lb.	Black	100 Pk	C
E141209C	K-SPEC® Cable Tie	14.5"	3.94	120 lb.	Natural	100 Pk	C
E17500C	K-SPEC® Cable Tie	16.9"	4.53	50 lb.	Black	100 Pk	C
E17509C	K-SPEC® Cable Tie	16.9"	4.53	50 lb.	Natural	100 Pk	C
E181200C	K-SPEC® Cable Tie	17.7"	5.24	120 lb.	Black	100 Pk	C
E181209C	K-SPEC® Cable Tie	17.7"	5.24	120 lb.	Natural	100 Pk	C
E201750C	K-SPEC® Cable Tie	20.7"	5.91	175 LB.	Black	100 Pk	C
E201759C	K-SPEC® Cable Tie	20.7"	5.91	175 LB.	Natural	100 Pk	C
E221200C	K-SPEC® Cable Tie	21.3"	6.3	120 lb.	Black	100 Pk	C
E221209C	K-SPEC® Cable Tie	21.3"	6.3	120 lb.	Natural	100 Pk	C
E242500C	K-SPEC® Cable Tie	23.5"	6.3	250 LB.	Black	100 Pk	C
E242509C	K-SPEC® Cable Tie	23.5"	6.3	250 LB.	Natural	100 Pk	C
E281750C	K-SPEC® Cable Tie	27.6"	7.29	175 LB.	Black	100 Pk	C
E281759C	K-SPEC® Cable Tie	27.6"	7.29	175 LB.	Natural	100 Pk	C
E301750C	K-SPEC® Cable Tie	30.3"	8.77	175 LB.	Black	100 Pk	C
E301759C	K-SPEC® Cable Tie	30.3"	8.77	175 LB.	Natural	100 Pk	C
E321750C	K-SPEC® Cable Tie	31.4"	9.06	175 LB.	Black	100 Pk	C
E321759C	K-SPEC® Cable Tie	31.4"	9.06	175 LB.	Natural	100 Pk	C
E322500C	K-SPEC® Cable Tie	32"	9.14	250 lb.	Black	100 Pk	C
E322509C	K-SPEC® Cable Tie	32"	9.14	250 lb.	Natural	100 Pk	C



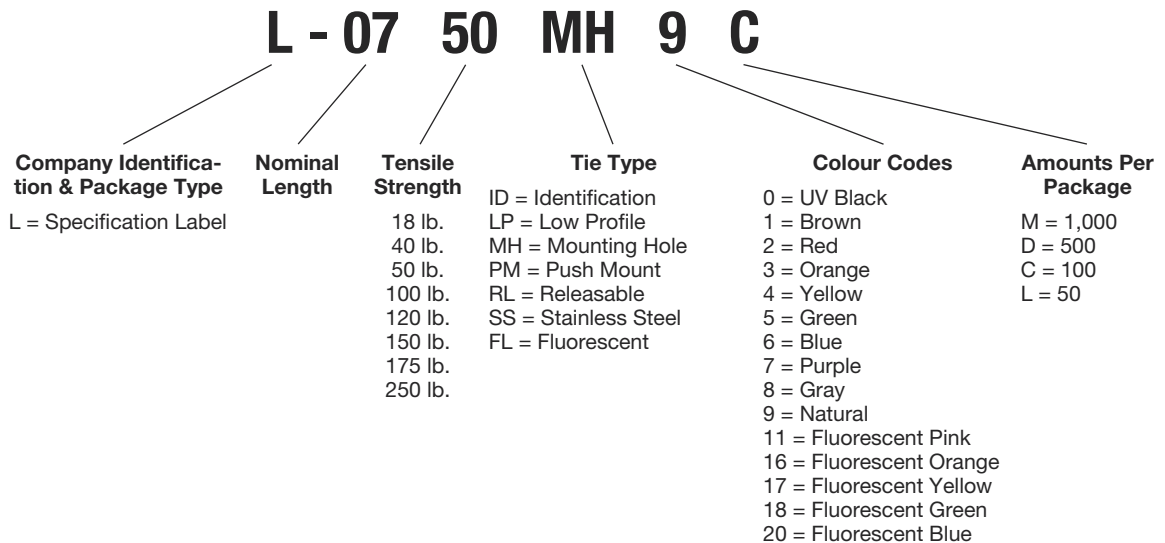
STANDARD CABLE TIES

- Miniature 18 lb. Cable TiesA-3
- Intermediate 30 lb. & 40 lb. Cable TiesA-4
- Standard 50 lb. Cable TiesA-4
- Heavy Duty 120 lb. Cable TiesA-5
- Extra Heavy Duty 175 lb. Cable TiesA-5
- ME.T Metal Tooth Cable TiesA-6

elecDirect.com 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.

- **Temp. Rating Nylon Cable Ties:** +85°C
- **UL Flame Rating:** 94 V-2

READING ELECDIRECT.COM CABLE TIE PART NUMBERS



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	9.0
Elongation at Break	D638	+73°F; 50% RH	%	≥300	200
Yield Strength	D638	+73°F; 50% RH	kpsi	8.5	9.0
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	2.0
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	.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...

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. Contact your elecDirect.com Customer Service Representative or your elecDirect.com Distributor for chemical data relative to your application.

Nylon is inherently susceptible to environmental conditions. elecDirect.com 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.