

A

# CABLE TIE ASSORTMENT

Three Compartments with Resealable Access Doors



JAR650  
 Ask about our 650 piece Cable Tie Assortment Jars. Multiple Tie colours and lengths

Total Ties	Part #	Cable Tie Part #	Ties Per Pac	Colour & Material	Tie Length Inch (mm)	Tie Tensile	Bundle Diameter	Military Specification	Per Case
400	TEHPAC4009	L-11509	100	Natural Nylon	11.2 285	50 lb.	1/16 - 3	MS3367-7-9	20
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	200			4.0 102	18 lb.	1/16 - 7/8	MS3367-4-9	
400	TEHPAC4000	L-11500	100	UV Black Nylon	11.2 285	50 lb.	1/16 - 3	MS3367-7-0	20
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	200			4.0 102	18 lb.	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 tie 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.

# 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 <sup>2</sup>	240	N.R.
Melting Point	D789	Fisher-Johns	°F	491	491
Thermal Linear Expansion	D696	DAM	in/in/°F	4 x 10 <sup>-5</sup>	N.R.
Thermal Conductivity	-	DAM Conche-Fitch	BTU - in/ h • ft <sup>2</sup> • °F	1.7	1.7
Brittleness Temperature	D746	50% RH	°F	-85	-62
Oxygen Index	D2863	DAM 50% RH	%O <sub>2</sub>	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.