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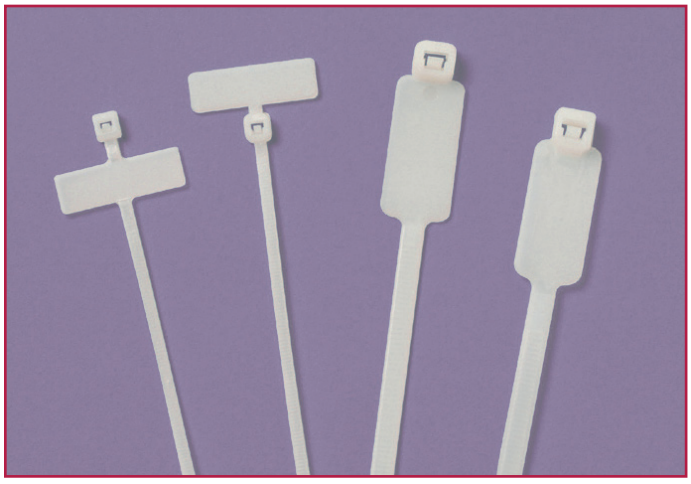
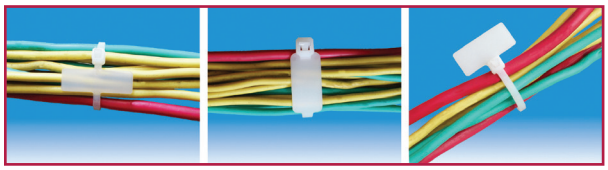
IDENTIFICATION CABLE TIES

- **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

c UL us LISTED POSITING DEVICE TYPE 21 TÜVRheinland EN62275 CE

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 [.189]	190 [7.0]	50.9 [2.00]	22 [50]	12.9x27 [.50x1.05]	100
L750ID9M	B	4.8 [.189]	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: ±.03"/.76 mm

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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

		Temperature Index		
Material	Minimum Thickness (in)	Electrical (°C)	Mechanical w/o Impact (°C)	Hot Wire Ignition (sec)
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. Contact your ElecDirect Customer Service Representative for chemical data relative to your application.

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.