

# Cable Tie

## Mountable, Black



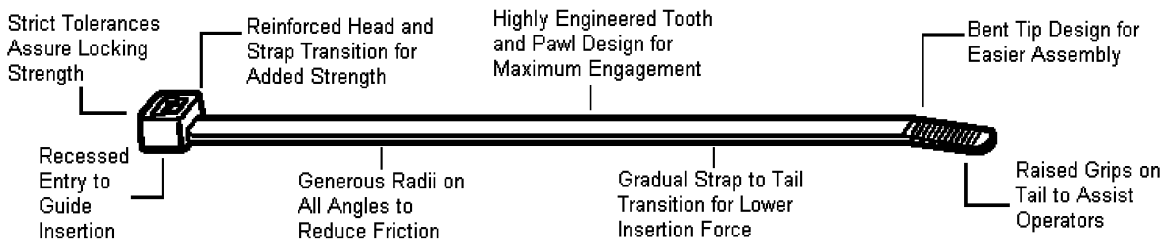
### Features:

- One piece non-releasable mounting cable ties manufactured in natural or black nylon 6.6
- These 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
- 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. It has attained Mil-Spec I-45208 quality ratings from a number of equipment manufacturers



### Specifications:

Cable Tie Length	: 370mm
Cable Tie Width	: 4.8mm
Cable Tie Material	: PA 6.6 (Polyamide)
Cable Tie Colour	: Black
Tensile Strength	: 0N/mm <sup>2</sup>
Cable Bundle Diameter Min.	: 102mm
Cable Diameter Max.	: 102mm
Fixing Hole Diameter	: 4.6mm
Operating Temperature	: -40°C to +85°C
Tensile Strength	: 22kg



### NBS Smoke Generation for 6.6 Nylon

Simple Thickness (Inch)	Energy Source	Specific Optical Density	
		At Maximum Smoke Accumulation	At 2 Minutes
1/16	Radiant (2.5 watts/sq.cm)	13	0
1/8	Radiant Plus Flaming Gas Jets	26	1

Results provided by natural bureau of standards (NBS). Results may not be directly correlated with larger fires, such as burning buildings.

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### Materials for Moulded Assembly Hardware

Property	ASTM Method	Test Condition	Unit	Moulded 6.6 Nylon
Tensile Strength	D638	+73°F; 50% RH	kpsi	11.2
Elongation at Break			%	≥ 300
Yield Strength			kpsi	8.5
Shear Strength	D732	Dry as Moulded (DAM)		9.6
Deformation under Load	D621	2,000 psi +122°F; DAM	%	1.4
IZOD Impact	D256	+73°F; 50% RH	ft lb/in	2.1
Tensile Impact Strength	D1822	+73°F; Long Specimen; DAM	ft lb/in <sup>2</sup>	240
Melting Point	D789	Fisher - Johns	°F	491
Thermal Linear Expansion	D696	DAM	in/in/°F	4 × 10 <sup>-5</sup>
Thermal Conductivity	-	DAM Conche-Fitch	BTU - in/h.ft <sup>2</sup> .°F	1.7
Brittleness Temperature	D746	50% RH	°F	-85
Oxygen Index	D2863	DAM 50% RH	%O <sub>2</sub>	28 31

Test conducted on 1/4" specimens.

### Temperature Index for Moulded Nylon

Material	Minimum Thickness (Inch)	Temperature Index		Hot Wire ignition (Seconds)
		Electrical (°C)	Mechanical w/o Impact (°C)	
6.6 Nylon	0.058	125	85	15

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.

### Part Number Table

Description	Part Number
Cable Tie, Mountable, Black, 370mm	TCV370BK

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