



Polyamide 6/6 Cable Tie (PCT Series)



The Polyamide Cable Tie are designed for all indoor, outdoor and underground (including direct burial) applications, where severe environmental conditions exist. The ties are serving the following purpose:

- Low Smoke Halogen Free(LSOH / LSZH / LSHF)
- Environment Conservation(RoHS & REACH Compliant)
- Ultra Violet(UV) Resistant
- Non-Toxic Gas Generation
- Fire Retardant UL 94 V-2
- Weather Resistant Black

The PCT series cable tie is made from Polyamide 6.6 in black colour.

Part No	Maximum Bundle Diameter		Approximate Width		Approximate Length		Loop Tensile Strength
	Inch	mm	Inch	mm	Inch	mm	lbs(kg)
PCT-250100	0.9	22	3/32	2.5	3.9	100	18(8.2)
PCT-250200	2.0	50	3/32	2.5	7.9	200	18(8.2)
PCT-360250	2.5	65	5/32	3.6	9.8	250	40(18.1)
PCT-360300	3.3	83	5/32	3.6	11.8	300	40(18.1)
PCT-360370	4.0	105	5/32	3.6	14.6	370	40(18.1)
PCT-480120	1.0	25	3/16	4.8	4.7	120	45(20.4)
PCT-480200	2.0	50	3/16	4.8	7.9	200	45(20.4)
PCT-480250	2.5	65	3/16	4.8	9.8	250	45(20.4)
PCT-480300	3.3	83	3/16	4.8	11.8	300	45(20.4)
PCT-480370	4.0	105	3/16	4.8	14.6	370	45(20.4)
PCT-480390	4.3	110	3/16	4.8	15.4	390	45(20.4)
PCT-480430	5.0	125	3/16	4.8	16.9	430	45(20.4)
PCT-760200	2.0	50	5/16	7.6	7.9	200	105(47.6)
PCT-760250	2.5	65	5/16	7.6	9.8	250	105(47.6)
PCT-760300	3.0	83	5/16	7.6	11.8	300	105(47.6)
PCT-760368	4.0	105	5/16	7.6	14.5	368	105(47.6)
PCT-760430	5.0	125	5/16	7.6	16.9	430	105(47.6)
PCT-760450	5.2	130	5/16	7.6	17.7	450	105(47.6)
PCT-760470	5.4	135	5/16	7.6	18.5	470	105(47.6)
PCT-900430	5.0	125	11/32	9.0	16.9	430	155(70.3)
PCT-900533	6.0	155	11/32	9.0	21.0	533	155(70.3)
PCT-900610	7.0	180	11/32	9.0	24.0	610	155(70.3)
PCT-900710	8.3	210	11/32	9.0	28.0	710	155(70.3)
PCT-900820	9.8	250	11/32	9.0	32.3	820	155(70.3)
PCT-901220	14.8	375	11/32	9.0	48.0	1220	155(70.3)

Certificate Reference:

Low Smoke Halogen Free: Most people killed in fires die because of smoke, not heat or flames. The inhalation of smoke rapidly incapacitates, and impaired visibility slows exit and makes firefighting harder. So reducing smoke in the event of a fire is of paramount importance in public and enclosed or underground places. Low smoke zero halogen cable reduces the amount of toxic and corrosive gas emitted during combustion. This type of material is typically used in poorly ventilated areas such as aircraft, rail cars or ships. It is also used extensively in the railroad industry, wherever high voltage or track signal wires must be run into and through underground tunnel systems. This reduces the chance of toxic gasses accumulating in these areas should the wires be damaged by fire or a short circuit fault.

Non Toxic Gas Generation: The standard is Bombardier SMP 800-C Rev.6 and carry out by Canada laboratory - Exova. There are toxicity analysis for CO, CO₂, HF, HCN, HCl, HBr, SO₂ and NO_x in combustion gases.

UV Resistant: The material is Polyamide 6/6 with weather resistant black. Ciba® Tinuvin® 234 was added for greater resistance to ultra violet in outdoor usage. It would prolong useful life of cable tie under sunshine/outdoor application.

Fire Retardant: 94V-2 Class

Synerper Group Limited

(A member of Synerper Corp Limited)

Room 704, 7/F., Crown Industrial Building, 106 How Ming Street, Kwun Tong, Kowloon, Hong Kong

TEL: +852 3590 9060 FAX: +852 3590 9061 email: synerper@synerper.com www.synerper.com