

Datasheet - Nylon Cable Ties

Product description

Manufactured from virgin nylon 6/6 resin and are suitable for a variety of applications, such as cable binding or harnessing. The ties have internal serrations allowing for a positive hold onto cable and pipe bundles. The design of the head guarantees a high tensile strength while allowing for a very low insertion force



Technical Data

The ties have been third party tested by TUV Rheinland to the internationally recognised standard EN IEC 62275:2019. The performance test results along with material and storage recommendations are detailed below, please note that these testing values are maximums and safety factors appropriate to your application should be used:

COMPOSITION	MATERIAL	
Nylon	6/6 resin	
TEST CATEGORY	TEST/STANDARD	RESULT
Loop tensile strength	EN IEC 62275:2019	Type 1 - Pass
Operating Temperature Range	EN IEC 62275:2019	-40° to + 85° (min install temp -20°C)
UV Resistance	EN IEC 62275:2019	Yes (black only)
Contribution to fire	UL94 V2/EN IEC 62275:2019	Pass
Water Absorption	N/A	**2.5%
Chemical Resistance	N/A	***Solvents and reagents, oils, petrol, hydrocarbons
STORAGE	RECOMMENDATIONS	
Temperature	23° (50% humidity)	
Location	Keep away from heat sources (i.e., machines, radiators, or fan heaters)	
Packaging	Try to avoid leaving ties in open bags	

* V2 test pass = burning stops within 30 seconds on a vertical specimen once the needle flame is removed

**At 23° and 50% humidity

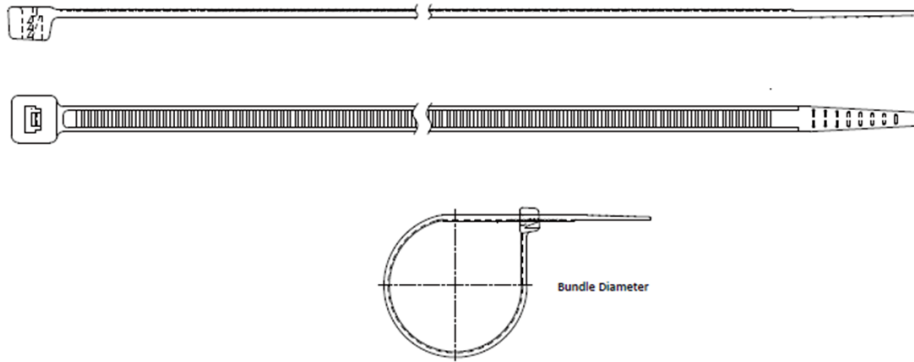
*** At low temperature and low concentrations for short periods



Cable Tie Ref *	Dimensions mm	Max. Bundle Dia. mm	Min. Loop Tensile Strength (kgs)
CT100-2.5	100 x 2.5	20	8
CT160-2.5	160 x 2.5	39	8
CT200-2.5	200 x 2.5	50	8
CT140-3.6	140 x 3.6	31	18
CT200-3.6	200 x 3.6	47	18
CT300-3.6	300 x 3.6	75	18
CT160-4.8	160 x 4.8	35	22
CT200-4.8	200 x 4.8	47	22
CT250-4.8	250 x 4.8	62	22
CT300-4.8	300 x 4.8	76	22
CT370-4.8	370 x 4.8	96	22
CT430-4.8	430 x 4.8	115	22
CT200-7.8	200 x 7.8	47	55
CT240-7.8	240 x 7.8	56	55
CT300-7.8	300 x 7.8	73	55
CT370-7.8	370 x 7.8	92	55
CT450-8.0	450 x 8.0	117	55
CT540-8.0	540 x 8.0	147	55
CT750-8.0	750 x 8.0	208	80
CT530-9.0	530 x 9.0	160	80
CT710-9.0	710 x 9.0	192	80
CT780-9.0	780 x 9.0	223	80
CT500-12.6	500 x 12.6	146	114
CT1000-12.6	1000 x 12.6	285	114
CT580-13.0	580 x 13.0	155	114

*Suffix, N = Natural or B = Black.
Pack Qty 100





Storage Conditions

Cable ties and related accessories are manufactured from high quality virgin nylon 6/6 resin. One particular property of this material is that it both absorbs and releases moisture. For optimal performance, the cable ties will need to contain between 2 - 3 % of the moisture. All packaging is designed to keep the moisture at this specific level.

To ensure maximal performance, cable ties should be kept in accordance with the following storage conditions:

- The ideal storage climate for cable ties is between 15 - 30OC (with 50% humidity)
- Do not store or use the cable ties in direct sunlight (except for UV property ties).
- Always store the cable ties in a sealed polythene bag.
- Cable ties should be used shortly after opening the package.
- Do not store the cable ties next to equipment such as machinery, radiators, or fan heaters.