

Cable ties

Technical data & approximate dimensions

General features

- Manufactured in 6/6 nylon; Colorless for general uses
- Better stored at mild temperatures, away from heat and excessively dry conditions
- Black cable ties are UV resistant; excellent for outdoor applications

Thermal properties

- Suitable for use at temperatures from -40° to +110°C
- Softening point VICAT VST/B/50-DIN 53460 over 200°C

Electrical characteristics


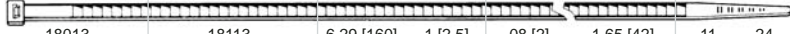
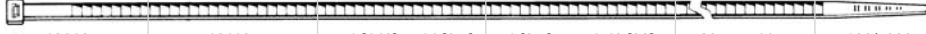
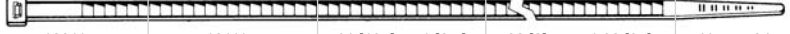
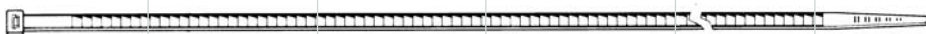


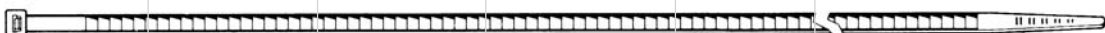
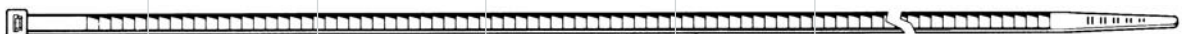






- Dielectric endurance 50,000 V/mm

Chemical characteristics

- Good resistance to bases, oil, grease, hydrocarbons, acetone, chlorales
- Limited concentrated acid resistance
- Dissolved by phenol and formic acid

Mechanical characteristics

- Bending point DIN 53452 110 M Pa
- Load point DIN 53457 2800 M Pa
- Resilience DIN 53453 6-8 KJ/m²
- Yield point DIN 53456 80 M Pa
- Stretch point DIN 53455 35%
- Hardness DIN 53456 125 N/mm²

White polyamide Catalog number	Black polyamide Catalog number	Size		Tightening diameter		Minimum tightness		Pcs Unit/pack
		L in [mm]	D in [mm]	Minimum in [mm]	Maximum in [mm]	(N)	(lbs.)	
 18010	18110	3.94 [100]	.1 [2.5]	.08 [2]	.94 [24]	11	24	100/8000
 18013	18113	6.29 [160]	.1 [2.5]	.08 [2]	1.65 [42]	11	24	100/5000
 18012	18112	5.51 [140]	.14 [3.5]	.1 [2.5]	1.42 [36]	20	44	100/5000
 18011	18111	5.31 [135]	.1 [2.5]	.08 [2]	1.38 [35]	11	24	100/6000
 18014	18114	7.87 [200]	1.4 [3.5]	.1 [2.5]	1.38 [35]	20	44	100/4000
 18015	18115	7.09 [180]	.18 [4.5]	.12 [3]	1.77 [45]	28	61	100/3000
 18017	18117	11.02 [280]	1.4 [3.5]	.1 [2.5]	3.15 [80]	20	44	100/3000
 18018	18118	11.02 [280]	.18 [4.5]	.2 [5]	3.0 [76]	28	61	100/2500
 18020	18120	14.37 [360]	.18 [4.5]	.2 [5]	3.98 [101]	28	61	100/1500
 18024	18124	7.87 [200]	.3 [7.5]	.2 [5]	2 [51]	65	143	100/2000
 18026	18126	11.02 [280]	.3 [7.5]	.2 [5]	3.0 [76]	65	143	100/1000
 18034	18134	16.93 [430]	.35 [9.0]	.2 [5.0]	4.33 [110]	80	176	100/2000
 18036	18136	21.65 [550]	.35 [9.0]	.2 [5.0]	5.51 [140]	80	176	100/2000
 18038	18138	30.71 [780]	.35 [9.0]	.2 [5.0]	7.48 [190]	80	176	100/800
 18028	18128	14.17 [360]	.3 [7.5]	.2 [5.0]	4.02 [102]	65	143	100/2000