

Cable ties

Technical data & approximate dimensions

General features

- Manufactured in 12 nylon
- Moisture absorption less than 1%
- Black cable ties are UV resistant; excellent for outdoor applications

Thermal properties

- Suitable for use at temperatures from -30° to +80°C
- Softening point VICAT VST/B/50-DIN 53460 over 160°C

Electrical characteristics

- Dielectric endurance 28,000 V/mm

Chemical characteristics

- Good resistance to bases, oil, grease, hydrocarbons, acetone, chlorales
- Limited resistance to nitric and chromic acid

Mechanical characteristics

- Bending point DIN 53452 20 M Pa
- Load point DIN 53457 420 M Pa
- Breaking load point DIN 53455 61 M Pa
- Resilience 20°C DIN 53453 KJ/m not broken
- Yield point DIN 53456 24 M Pa
- Stretch point DIN 53455 37%
- Hardness G2 Shore D

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.)	
18210	4.53 [115]	.24 [6]	.2 [5]	.79 [20]	25	55	100/3000
18212	6.89 [175]	.24 [6]	.39 [10]	1.57 [40]	25	55	100/2000
18218	4.53 [115]	.35 [9]	.2 [5]	.79 [20]	40	88	100/2000
18220	7.09 [180]	.35 [9]	.39 [10]	1.77 [45]	50	110	100/2000
18222	10.43 [265]	.35 [9]	.59 [15]	2.75 [70]	50	110	100/1000
18224	14.17 [360]	.35 [9]	.98 [25]	3.94 [100]	50	110	100/800