

CABLE TIES, TECHNICAL DATA SHEET

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1. INTRODUCTION

Cable Ties provide a strong, durable way to bundle and harness cable quickly and economically. They can be used on virtually any bundle configuration of cables, pipes or hoses.

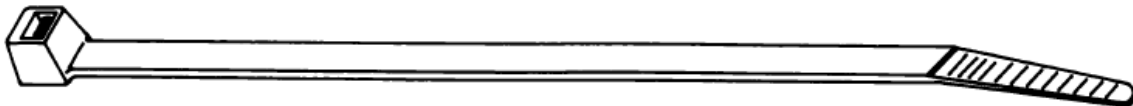


Figure 1, Standard Cable Tie

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2. STANDARD CABLE TIES

Dimensions			Tensile Strength N	Maximum Bundle Ø mm (Inch)	Pack Size	Part Numbers	
Length mm (Inch)	Width mm (Inch)	Thickness mm (Inch)				Natural	Black
98 (3.86)	2.50 (0.098)	1.00 (0.039)	82	21.00 (0.82)	100	2-160967-1	2-160967-2
103 (4.07)	2.44 (0.096)	0.94 (0.037)	80	19.10 (0.75)	100	1-604771-9	1-604771-0
					1000	2-604771-9	2-604771-0
134 (5.27)	2.60 (0.102)	1.00 (0.039)	82	32.00 (1.26)	100	2-160968-1	2-160968-2
					1000	4-160968-1	2-160968-2
140 (5.51)	3.60 (0.141)	1.20 (0.047)	130	35.00 (1.37)	100	2-160971-1	2-160971-2
					1000	4-160971-1	4-160971-2
148 (5.83)	3.56 (0.140)	1.10 (0.043)	133	31.75 (1.25)	100	1-603227-9	1-603227-0
					1000	2-603227-9	2-603227-0
178 (7.00)	4.80 (0.189)	1.24 (0.049)	220	45.00 (1.77)	1000	4-160974-1	4-160974-2
200 (7.87)	2.60 (0.102)	1.00 (0.039)	82	52.00 (2.04)	100	N/A	2-160970-2
					1000	4-160970-1	4-160970-2
	3.60 (0.141)	1.20 (0.047)	130	50.00 (1.97)	100	2-160996-1	2-160996-2
					1000	4-160996-1	4-160996-2
	5.00 (0.196)	1.30 (0.051)	220	50.00 (1.97)	100	2-160975-1	2-160975-2
					1000	4-160975-1	4-160975-2
202 (8.00)	2.54 (0.100)	1.14 (0.045)	80	50.80 (2.00)	100	1-608687-9	1-608687-0
					1000	2-608687-9	N/A
	4.60 (0.181)	1.19 (0.047)	222	44.50 (1.75)	100	1-604772-9	1-604772-0
					1000	2-604772-9	2-604772-0
240 (9.45)	7.80 (0.307)	1.60 (0.063)	550	63.00 (2.48)	100	N/A	2-160981-2
250 (9.84)	4.80 (0.189)	1.30 (0.051)	220	68.00 (2.67)	100	N/A	2-160976-2
290 (11.42)	3.60 (0.141)	1.30 (0.051)	130	80.00 (3.15)	100	N/A	2-160972-2
	4.80 (0.189)	1.30 (0.051)	220	79.00 (3.11)	100	2-160977-1	2-160977-2
300 (11.82)	4.65 (0.183)	1.30 (0.051)	222	76.20 (3.00)	100	1-604751-9	N/A
					1000	2-604751-9	2-604751-0
	7.80 (0.307)	1.80 (0.071)	550	80.00 (3.15)	100	2-160982-1	2-160982-2
360 (14.18)	4.80 (0.190)	1.54 (0.061)	220	103.00 (4.05)	100	2-160978-1	2-160978-2
365 (14.37)	7.80 (0.307)	1.80 (0.071)	550	100.00 (3.93)	100	2-160983-1	2-160983-2
392 (15.43)	4.67 (0.184)	1.40 (0.055)	222	101.60 (4.00)	100	1-604774-9	1-604774-0
					1000	2-604774-9	2-604774-0
430 (16.93)	4.80 (0.189)	1.30 (0.051)	220	115.00 (4.52)	100	2-160995-1	2-160995-2
460 (18.12)	7.80 (0.307)	1.80 (0.070)	550	130.00 (5.12)	100	N/A	2-160984-2
750 (29.53)	7.80 (0.307)	2.07 (0.081)	550	200.00 (7.87)	100	N/A	2-160986-2

For tolerance please consult Customer drawing, or your local TE Connectivity representative.

3. NON-STANDARD CABLE TIES

3.1. Releasable Cable ties

Dimensions			Tensile Strength N	Maximum Bundle Ø mm (Inch)	Pack Size	Part Numbers	
Length mm (Inch)	Width mm (Inch)	Thickness mm (Inch)				Natural	Black
202 (8.00)	2.54 (0.100)	1.14 (.045)	80	50.80 (2.00)	100	1-608687-9	1-608687-0
					1000	2-608687-9	N/A
164 (6.46)	4.72 (0.186)	1.17 (.046)	222	34.93 (1.38)	100	N/A	1-608692-0

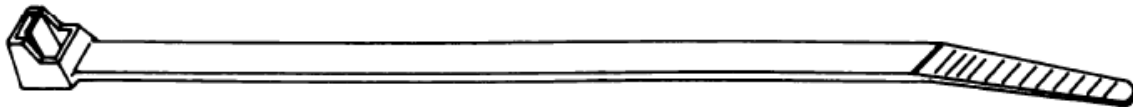


Figure 2, Releasable Cable Tie

3.2. Heavy Duty Cable ties

Dimensions			Tensile Strength N	Maximum Bundle Ø mm (Inch)	Pack Size	Part Numbers	
Length mm (Inch)	Width mm (Inch)	Thickness mm (Inch)				Natural	Black
226 (9.00)	7.59 (0.300)	1.6 (0.063)	534	50.80 (2.00)	50	N/A	4-603225-0
					500	3-603225-9	N/A
390 (15.36)	7.70 (0.303)	1.98 (0.078)	534	101.60 (4.00)	100	1-604773-9	1-604773-0
					500	N/A	3-604773-0

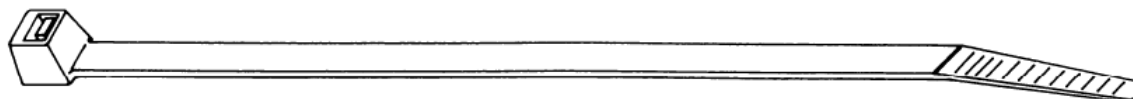


Figure 3, Heavy Duty Cable Tie

3.3. Screw mount Cable ties

Dimensions			Tensile Strength N	Maximum Bundle Ø mm (Inch)	Pack Size	Part Numbers	
Length mm (Inch)	Width mm (Inch)	Thickness mm (Inch)				Natural	Black
111 (4.36)	2.52 (0.100)	1.07 (0.042)	80	19.10 (0.75)	100	1-603231-9	N/A
150 (5.90)	3.60 (0.141)	1.17 (0.046)	130	32.00 (1.26)	100	2-100715-1	N/A
215 (8.48)	4.78 (0.188)	1.24 (0.049)	222	44.45 (1.75)	100	N/A	1-608694-0
408 (16.06)	4.75 (0.187)	1.4 (0.055)	222	101.60 (4.00)	100	1-608695-9	N/A

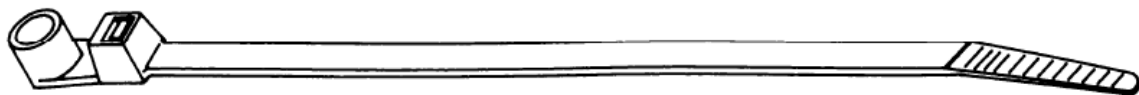


Figure 4, Screw Mount Cable Tie

3.4. Identification Cable ties

Dimensions			Tensile Strength N	Maximum Bundle Ø mm (Inch)	Pack Size	Part Numbers	
Length mm (Inch)	Width mm (Inch)	Thickness mm (Inch)				Natural	Black
110 (4.34)	2.46 (0.097)	0.94 (0.037)	80	19.10 (0.75)	100	1-603230-9	N/A
203 (8.00)	4.70 (0.185)	1.17 (0.460)	222	44.45 (1.75)	100	1-608702-9	N/A



Figure 5, Identification Cable Tie

All the above Cable ties are manufactured from Polyamide 6.6, with a working temperature range of -40°C to +85°C.

4. CABLE TIE MOUNTS

Length Mm (Inch)	Width Mm (Inch)	Fixing		Cable Tie Tensile Strength N	Pack Size	Cable Tie Capacity	Part Number
		Adhesive	Screw hole				
25.40 (1.00)	25.40 (1.00)	Adhesive backing	4.75 Ø x2	133.50	100	1	607847-1
28.70 (1.13)	28.70 (1.13)	Adhesive backing	#8 x 2	222.50	100	1	608803-1
9.65 (0.38)	15.24 (0.60)	None	#6 x1	222.50	100	2	608801-1
19.05 (0.75)	19.05 (0.75)	Adhesive backing	#4 x2	133.50	100	1	608802-1
19.10 (0.75)	12.70 (0.50)	None	4.2 Ø x1	222.50	100	1	1-350087-0

For best performance when using adhesive backed cable tie mounts, the application should be made to a smooth, clean, dry, and oil-free surface.



Figure 6, Cable Tie mount 607847-1

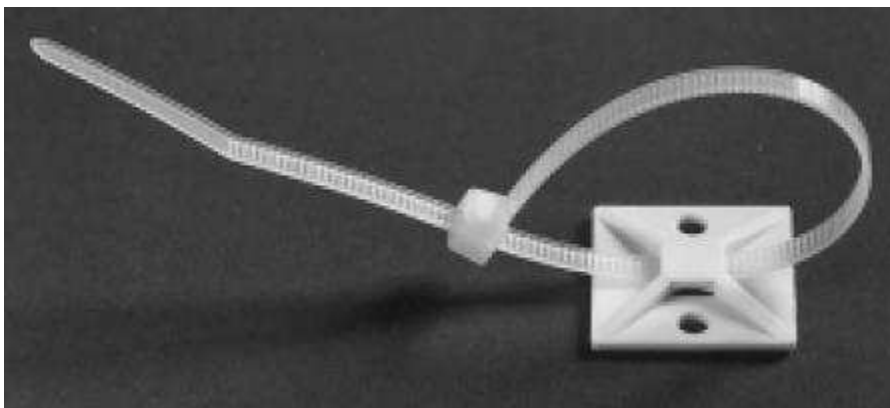


Figure 7, Cable Tie mount 608803-1 and 608802-1

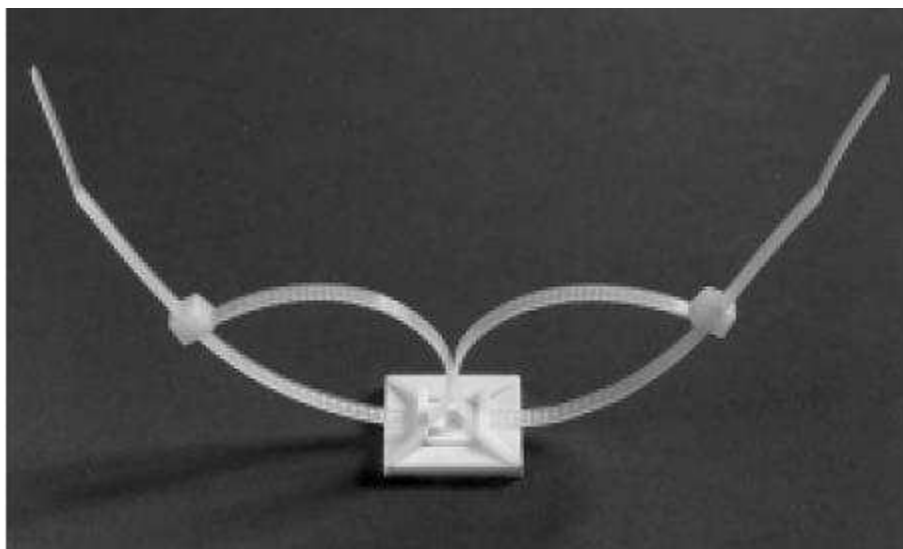


Figure 8, Cable Tie mount 608801-1



Figure 9, Cable Tie mount 1-350087-0

*Note: The counter sunk screw required is not supplied for Cable Tie mount 1-350087-0. Cable ties shown in figures 6 to 9 are for demonstration purposes only and are not supplied with the mounts.