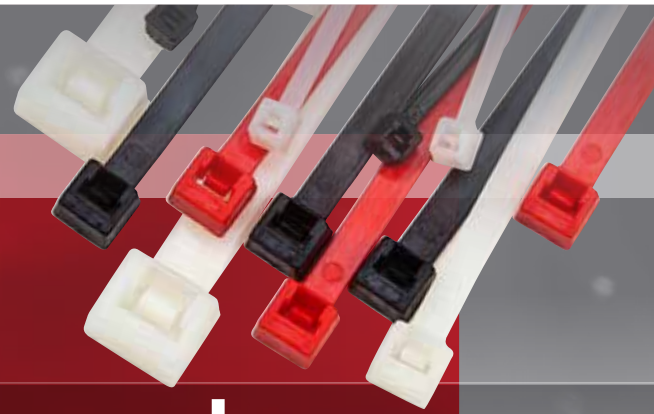


Electrical Markets
3M™ Cable Ties and Bases



Broad Solutions for Effective Fastening

3M



A Broad Line of Cable Ties from 3M

Available in 8 industry-standard lengths to accommodate your needs:

- 4", 6", 8", 11", 15", 24", 36" and 48"

Available in 3 colors:

- Black (indoor/outdoor, UV-weather resistant)
- Natural (off white for indoor)
- Red (indoor)

Available in 5 tensile strength categories for light- to heavy-duty jobs

- Miniature: 18 pounds
- Intermediate: 30-40 lbs.
- Standard: 50 lbs.
- Light Heavy-Duty: 120 lbs.
- Heavy-Duty: 175 lbs.

Packaged in convenient quantities:

- Small bags of 50 or 100 ties
- Bulk bags of 500 or 1,000 ties

Mounting bases available in a variety of sizes and configurations

Available in plenum-rated materials

- Some cable ties from 3M meet National Electrical Code (NEC) Section 300.22 C/D standard (See product charts for specifications.)

Made to 3M quality standards

	Standard Cable Ties	
	Natural Nylon 6.6	UV Weather-Resistant Black, Nylon 6.6
UL 94 Flammability Rating	V-2	V-2
Colors	Natural Red	Black
Screw Mountable Options	X	X
UV Resistant (For Outdoor Use)		X
UL Listed - ANSI/UL 62275^a	X	X
UL Listed 181B-C^b	36" and 48" Only	36" and 48" Only
Plenum Rated^c	X	X
Eu RoHS Compliant (2011/65/Eu)	X	X
Tensile:		
Miniature (18 pounds)	X	X
Intermediate (30-40 lbs.)	X	X
Standard (50 lbs.)	X	X
Light Heavy Duty (120 lbs.)	X	X
Heavy Duty (175 lbs.)	X	X

^a UL Listed 62275 for Positioning Devices. Excludes 48" Cable Ties which are UL Recognized.

^b UL Listed 181B-C mechanical fasteners for use with non-metallic air ducts and air connectors.

^c Suitable for use in Air Handling spaces (plenum) in accordance with the Section 300.22 (C) and (D) of the NEC.



Guide to product names for 3M™ Cable Ties

CT D C T X - P

Example:

CT8BK50-M

CT8BK50S-C

CT	D	C	T	X	-	P
CT = Nylon Cable Ties CTB = Mounting Bases	D = Dimensions (inches) Ties = Length Bases = Length X Width	C = Color BK = Black NT = Natural RD = Red BG = Beige	T = Tensile (pounds) 18 = Miniature 40 = Intermediate 50 = Standard 120 = Light Heavy Duty 175 = Heavy Duty	X = Special Features _ = Standard Tie (Blank) S = Screw Mount A = Adhesive Mount		P = Package Size (Roman Numeral) M = 1,000 D = 500 C = 100 L = 50

Note: Cable Tie Base Part Numbers do not include Tensile.

3M™ Standard Cable Ties

3M™ Cable Ties are made with high-quality 6/6 nylon and designed to secure wire bundles and harness components quickly, without slipping.

- Self-locking head
- Available in several strengths, lengths, and screw mount options
- Plenum rated (Suitable for use in air handling spaces in accordance with the Section 3000.22(C) and (D) of the National Electrical Code.
- Colors available in natural and red for indoor use and UV weather-resistant black for indoor and outdoor use.
- Curved tip allows for faster threading and installation
- Agency Approval: UL 62775 Type 2/21 (Unless noted otherwise as UL Recognized)
- RoHS 2011/65/EU: Yes

3M™ Standard Cable Ties - Natural Nylon 6.6

Part Number	UPC	Length in (mm)	Width in (mm)	Thickness in (mm)	Max. Bundle Diameter in (mm)	Tensile lbf (N)	Min. Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min. Installation Temp °C (°F)	Bag Qty.	Carton Qty.
Miniature Cable Ties (18 lb., 80 N) - Plenum rated											
CT4NT18-C	051128-59275-5	4.1 (104)	0.10 (3,0)	0.04 (1,0)	0.75 (19)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT4NT18-M	051128-59276-2	4.1 (104)	0.10 (3,0)	0.04 (1,0)	0.75 (19)	18 (80)	-40 (-40)	85 (185)	0 (32)	1000	10000
CT6NT18-C	051128-59278-6	6.1 (155)	0.10 (3,0)	0.05 (1,3)	1.25 (32)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT6NT18-M	051128-59279-3	6.1 (155)	0.10 (3,0)	0.05 (1,3)	1.25 (32)	18 (80)	-40 (-40)	85 (185)	0 (32)	1000	10000
CT8NT18-C	051128-59282-3	8.1 (206)	0.10 (3,0)	0.05 (1,3)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT8NT18-M	051128-59283-0	8.1 (206)	0.10 (3,0)	0.05 (1,3)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	0 (32)	1000	10000

3M™ Standard Cable Ties - Natural Nylon 6.6

Part Number	UPC	Length in (mm)	Width in (mm)	Thickness in (mm)	Max. Bundle Diameter in (mm)	Tensile lbf (N)	Min. Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min. Installation Temp °C (°F)	Bag Qty.	Carton Qty.
Intermediate Cable Ties (30-40 lb., 135-180 N) - Plenum Rated											
CT6NT30-C	051128-59286-1	5.8 (147)	0.14 (3,6)	0.05 (1,3)	1.25 (32)	30 (135)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT6NT30-M	051128-59287-8	5.8 (147)	0.14 (3,6)	0.05 (1,3)	1.25 (32)	30(135)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
CT8NT40-C	051128-59290-8	8.9 (226)	0.14 (3,6)	0.05 (1,3)	2.00 (51)	40 (180)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT8NT40-M	051128-59291-5	8.9 (226)	0.14 (3,6)	0.05 (1,3)	2.00 (51)	40 (180)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
Standard Cable Ties (50 lb., 220 N) - Plenum Rated											
CT8NT50-C	051128-59297-7	7.6 (193)	0.18 (4,6)	0.05 (1,3)	1.87 (48)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT8NT50-M	051128-59299-1	7.6 (193)	0.18 (4,6)	0.05 (1,3)	1.87 (48)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
CT8RD50-C	051128-59559-6	7.6 (193)	0.18 (4,6)	0.05 (1,3)	1.87 (48)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT11NT50-C	051128-59302-8	11.1 (282)	0.18 (4,6)	0.05 (1,3)	3.00 (76)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT11NT50-D	051128-59303-5	11.1 (282)	0.18 (4,6)	0.05 (1,3)	3.00 (76)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	500	5000
CT11RD50-C	051128-59560-2	11.1 (282)	0.18 (4,6)	0.05 (1,3)	3.00 (76)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT15NT50-C	051128-59307-3	14.6 (371)	0.18 (4,6)	0.05 (1,3)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	500
CT15NT50-D	051128-59309-7	14.6 (371)	0.18 (4,6)	0.05 (1,3)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	500	2500
Light Heavy Duty Ties (120 lb., 530 N) - Plenum Rated											
CT8NT120-L	051128-59311-0	9 (229)	0.30 (7,6)	0.07 (1,8)	2.00 (51)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	50	500
CT15NT120-C	051128-59315-8	15 (381)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	100	500
CT15NT120-D	051128-59317-2	15 (381)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	500	2500
Heavy Duty Ties (175 lb., 800 N)											
CT24NT175-L ¹	051128-59319-6	24 (610)	0.34 (8,6)	0.09 (2,3)	7.2 (183)	175 (800)	0 (32)	85 (185)	0 (32)	50	500
CT36NT175-L ^{1,2}	051128-59321-9	36 (914)	0.34 (8,6)	0.09 (2,3)	11.00 (279)	175 (800)	0 (32)	85 (185)	0 (32)	50	500
CT48NT175-L ²	051128-59323-3	47.9 (1217)	0.36 (9,1)	0.07 (1,8)	14.70 (373)	175 (800)	-	85 (185)	-	50	500
Screw Mountable¹ - Plenum Rated											
CT8NT50S-C	051128-59296-0	8.6 (218)	0.18 (4,6)	0.06 (1,5)	2.00 (51)	50 (220)	-40 (-40)	85 (185)	-	100	1000
CT8NT50S-M	051128-59298-4	8.6 (218)	0.18 (4,6)	0.06 (1,5)	2.00 (51)	50 (220)	-40 (-40)	85 (185)	-	1000	10000
CT15NT50S-L	051128-59306-6	15.1 (384)	0.18 (4,6)	0.06 (1,5)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-	50	500
CT15NT50S-D	051128-59308-0	15.1 (384)	0.18 (4,6)	0.06 (1,5)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-	500	2500
CT15NT120S-D ³	051128-59316-5	15.7 (399)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-	500	2500
CT15NT120S-L	051128-59314-1	15.7 (399)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-	50	500

¹ Suitable for use in air handling spaces (plenum)

² UL Recognized

³ UL Listing is pending at this time

3M™ Standard Cable Ties - Weather-Resistant Black Nylon 6.6

Part Number	UPC	Length in (mm)	Width in (mm)	Thickness in (mm)	Max. Bundle Diameter in (mm)	Tensile lbf (N)	Min. Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min. Installation Temp °C (°F)	Bag Qty.	Carton Qty.
Miniature Cable Ties (18 lb., 80 N) - Plenum Rated											
CT4BK18-C	051128-59273-1	4.1 (104)	0.10 (3,0)	0.04 (1,0)	0.75 (19)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT4BK18-M	051128-59274-8	4.1 (104)	0.10 (3,0)	0.04 (1,0)	0.75 (19)	18 (80)	-40 (-40)	85 (185)	0 (32)	1000	10000
CT6BK18-C	051128-59277-9	6.1 (155)	0.10 (3,0)	0.05 (1,3)	1.25 (32)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT8BK18-C	051128-59280-9	8.1 (206)	0.10 (3,0)	0.05 (1,3)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	0 (32)	100	1000
CT8BK18-M	051128-59281-6	8.1 (206)	0.10 (3,0)	0.05 (1,3)	2.00 (51)	18 (80)	-40 (-40)	85 (185)	0 (32)	1000	10000
Intermediate Cable Ties (30-40 lb., 135-180 N) - Plenum Rated											
CT6BK30-C	051128-59284-7	5.8 (147)	0.14 (3,6)	0.05 (1,3)	1.25 (32)	30 (135)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT6BK30-M	051128-59285-4	5.8 (147)	0.14 (3,6)	0.05 (1,3)	1.25 (32)	30 (135)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
CT8BK40-C	051128-59288-5	8.9 (226)	0.14 (3,6)	0.05 (1,3)	2.00 (51)	40 (180)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT8BK40-M	051128-59289-2	8.9 (226)	0.14 (3,6)	0.05 (1,3)	2.00 (51)	40 (180)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
Standard Cable Ties (50 lb., 220 N) - Plenum Rated											
CT8BK50-C	051128-59293-9	7.6 (193)	0.18 (4,6)	0.05 (1,3)	1.87 (48)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT8BK50-M	051128-59294-6	7.6 (193)	0.18 (4,6)	0.05 (1,3)	1.87 (48)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	1000	10000
CT11BK50-C	051128-59300-4	11.1 (282)	0.18 (4,6)	0.05 (1,3)	3.00 (76)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	1000
CT11BK50-D	051128-59301-1	11.1 (282)	0.18 (4,6)	0.05 (1,3)	3.00 (76)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	500	5000
CT15BK50-C	051128-59304-2	14.6 (371)	0.18 (4,6)	0.05 (1,3)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	100	500
CT15BK50-D	051128-59305-9	14.6 (371)	0.18 (4,6)	0.05 (1,3)	4.00 (102)	50 (220)	-40 (-40)	85 (185)	-20 (-4)	500	2500
Light Heavy Duty Ties (120 lb., 550 N) - Plenum Rated											
CT8BK120-L	051128-59310-3	9 (229)	0.30 (7,6)	0.07 (1,8)	2.00 (51)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	50	500
CT15BK120-C	051128-59312-7	15 (381)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	100	500
CT15BK120-D	051128-59313-4	15 (381)	0.30 (7,6)	0.07 (1,8)	4.00 (102)	120 (530)	-40 (-40)	85 (185)	-20 (-4)	500	2500
Heavy Duty Ties (175 lb., 800 N)											
CT24BK175-L ¹	051128-59318-9	24 (610)	0.34 (8,6)	0.09 (2,3)	7.20 (183)	175 (800)	0 (32)	85 (185)	0 (32)	50	500
CT36BK175-L ^{1,2}	051128-59320-2	36 (914)	0.34 (8,6)	0.09 (2,3)	11.00 (279)	175 (800)	0 (32)	85 (185)	0 (32)	50	500
CT48BK175-L ²	051128-59322-6	47.9 (1217)	0.36 (9,1)	0.07 (1,8)	14.70 (373)	175 (800)	-	85 (185)	-	50	500
Screw Mountable - Plenum Rated											
CT8BK50S-C	051128-59292-2	8.6 (218)	0.18 (4,6)	0.06 (1,5)	2.00 (51)	50 (220)	-40 (-40)	85 (185)	-	100	1000
CT8BK50S-M	051128-59295-3	8.6 (218)	0.18 (4,6)	0.06 (1,5)	2.00 (51)	50 (220)	-40 (-40)	85 (185)	-	1000	10000

¹ Suitable for use in air handling spaces (plenum)

² UL Recognized

3M™ Standard Cable Ties - Assortment Pack

- Contains 15 each of natural nylon 6.6. ties: CT4NT18-, CT6NT30-, CT8NT50-, and CT11NT50-
- Contains 10 each of black, weather-resistant nylon 6.6 ties: CT4BK18-, CT6BK30-, CT8BK50-, and CT11BK50-

Part Number	UPC	Length in (mm)	Width in (mm)	Thickness in (mm)	Max. Bundle Diameter in (mm)	Tensile lbf (N)	Min. Operating Temp °C (°F)	Max Operating Temp °C (°F)	Min. Installation Temp °C (°F)	Bag Qty.	Carton Qty.
CT06220	051128-59324-0	varies	varies	varies	varies	varies	-40 (-40)	85 (185)	varies	100	1000

3M™ Mounting Bases

Part Number	Dimensions L x W x H in (mm)	Slot Width in (mm)	Slot Height in (mm)	Color	Mount Type	Bag Qty.	Material
CTB75X75NTA-C	.74 x .74 x .22 (19 x 19 x 5,6)	0.21 (5,3)	.06 (1.5)	Natural	Foam Backed Adhesive	100	Nylon
CTB75X75BKA-C	.74 x .74 x .22 (19 x 19 x 5,6)	0.21 (5,3)	.06 (1.5)	UV Resistant Black	Foam-Backed Adhesive	100	Nylon
CTB1X1NTA-C	.99 x .99 x .22 (25 x 25 x 5,6)	0.21 (5,3)	.06 (1.5)	Natural	Foam-Backed Adhesive	100	Nylon
CTB1X1BKA-C	.99 x .99 x .23 (25 x 25 x 5,6)	0.21 (5,3)	.06 (1.5)	UV Resistant Black	Foam-Backed Adhesive	100	Nylon
CTB2X1BGA-C	2.0 x 1.0 x .35 (51 x 25 x 8,9)	0.21 (5,3)	.18 (4,5)	Beige	Foam-Backed Adhesive	100	ABS
CTB1X1BGA-C	1.0 x 1.2 x .15 (25 x 25 x 3,8)	0.21 (5,3)	.06 (1,5)	Beige	Foam-Backed Adhesive (Screw Mount)	100	ABS
CTB60X41NTS-C	.60 x .41 x .28 (15 x 10 x 7,0)	0.21 (5,3)	.06 (1,5)	Natural	Screw Mount	100	Nylon
CTB87X62NTS-C	.87 x .62 x .38 (22 x 16 x 10)	0.35 (8,9)	.10 (2,5)	Natural	Screw Mount	100	Nylon

3M is a trademark of 3M Company.

RoHS 2011/65/EU means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

This brochure is strictly an informational guide, is subject to change at any time, and is not a valid legal representation of origin for government contract purposes. To obtain certifications, contact 3M Customer Service at 800 245 3573. If this publication is more than one year old, please contact Customer Service to request the latest revision of this brochure.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 245 3573
Fax 800 245 0329
www.3M.com/electrical

Please Recycle.
© 3M 2014. All rights reserved.
80-6016-0533-2E