3M™ Standard Nylon Cable Ties

Data Sheet June 2026

Description	3M™ Standard Nylon Cable Ties are molded from 6/6 nylon and are available in several tensile strengths ranging from 18 lb. to 175 lb. and multiple lengths ranging from 4 inches to 48 inches to cover your needs. They are offered in natural and red for indoor use and UV weather-resistant black for indoor and outdoor use. 3M™ Standard Nylon Cable Ties are designed to secure wire bundles and harness components quickly, without slipping. The curved tip allows for faster threading and installation, and they feature a self-locking head.
Agency Approvals & Self-Certifications	Cable ties are UL Listed per Standard 62275 for Cable Management Systems, type 21 and 21S, and are suitable for use in Air Handling Spaces (AH-2 plenums rated) in accordance with Section 300.22 of the National Electric Code. Products which are identified as UL Listed and black UV resistant material are listed as suitable for use outdoors. UL File # E116841 Cable ties are CSA certified C22.2 No. 62275:21 CSA file 609208 For regulatory information including RoHS, REACH, please visit www.3M.com/regs
Applications	3M™ Standard Nylon Cable Ties are used to secure wire bundles and harness components quickly on racks, electrical cabinets and panels, wood walls and frames and metallic structures. The flexible design allows the user to slip ties easily under and around cables and harnesses. These ties can be used with most standard tensioning/cutoff tools for fast production line fastening.
Specifications	**Open Specifications** All Standard Nylon Cable ties are UL Listed, TYPE 21 or TYPE 21S, and tested to UL. Standard 62275 for Cable Management Systems. **Closed Specifications** Product must be 3M cable ties, UL. Listed, TYPE 21 or TYPE 21S, and tested to UL. Standard 62275 for Cable Management Systems.
Technical Specification	• Material 6/6 nylon • AH-2 Plenum rated • Temperature rating -40°C - 85°C (-40°F - 185°F) • Minimum installation temperature - 20°C (-4°F) • UL classification

Type 21- Positioning device
Type 21S- Supporting device

Note: This product is made from nylon which is a hygroscopic material that may have decreased performance when exposed to extreme humidity levels. Follow the recommended storage conditions regarding the use of a humidity-controlled storage area.

Miniature Cable Ties Type 21 (Loop Tensile Strength 18lb/80N)

Part Number	Length in (mm)	Width in (mm)	Min Bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Thickness in (mm)	Color	Bag Qty
CT4BK18-C	4.125 (104.8)	0.095 (2.41)	.062 (1.57)	.87 (22.22)	.042 (1.07)	UV Resistant Black	100
CT4BK18-M	4.125 (104.8)	0.095 (2.41)	.062 (1.57)	.87 (22.22)	.042 (1.07)	UV Resistant Black	1000
CT4NT18-C	4.125 (104.8)	0.095 (2.41)	.062 (1.57)	.87 (22.22)	.042 (1.07)	Standard Natural	100
CT4NT18-M	4.125 (104.8)	0.095 (2.41)	.062 (1.57)	.87 (22.22)	.042 (1.07)	Standard Natural	1000
CT6NT18-C	6.187 (157.15)	0.095 (2.41)	.062 (1.57)	1.5 (38.10)	.042 (1.07)	Standard Natural	100
CT6NT18-M	6.187 (157.15)	0.095 (2.41)	.062 (1.57)	1.5 (38.10)	.042 (1.07)	Standard Natural	1000
CT6BK18-C	6.187 (157.15)	0.095 (2.41)	.062 (1.57)	1.5 (38.10)	.042 (1.07)	UV Resistant Black	100
CT8BK18-C	8.187 (207.95)	0.095 (2.41)	.062 (1.57)	2.19 (55.55)	.042 (1.07)	UV Resistant Black	100
CT8BK18-M	8.187 (207.95)	0.095 (2.41)	.062 (1.57)	2.19 (55.55)	.042 (1.07)	UV Resistant Black	1000
CT8NT18-C	8.187 (207.95)	0.095 (2.41)	.062 (1.57)	2.19 (55.55)	.042 (1.07)	Standard Natural	100
CT8NT18-M	8.187 (207.95)	0.095 (2.41)	.062 (1.57)	2.19 (55.55)	.042 (1.07)	Standard Natural	1000

Intermediate Cable Ties Type 21(Loop Tensile Strength 40lb/178N)

Part Number	Length in (mm)	Width in (mm)	Min Bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Thickness in (mm)	Color	Bag Qty
CT6BK40-C	5.84 (148.3)	0.14 (3.56)	0.62 (1.57)	1.44 (36.42)	0.049 (1.24)	UV Resistant Black	100
CT6BK40-M	5.84 (148.3)	0.14 (3.56)	0.62 (1.57)	1.44 (36.42)	0.049 (1.24)	UV Resistant Black	1000
CT6NT40-C	5.84 (148.3)	0.14 (3.56)	0.62 (1.57)	1.44 (36.42)	0.049 (1.24)	Standard Natural	100
CT6NT40-M	5.84 (148.3)	0.14 (3.56)	0.62 (1.57)	1.44 (36.42)	0.049 (1.24)	Standard Natural	1000
CT8BK40-C	8.88(225.4)	0.14 (3.56)	0.62 (1.57)	2.38 (60.32)	0.049 (1.24)	UV Resistant Black	100
CT8BK40-M	8.88 (225.4)	0.14 (3.56)	0.62 (1.57)	2.38 (60.32)	0.049 (1.24)	UV Resistant Black	1000
CT8NT40-C	8.88 (225.4)	0.14 (3.56)	0.62 (1.57)	2.38 (60.32)	0.049 (1.24)	Standard Natural	100
CT8NT40-M	8.88 (225.4)	0.14 (3.56)	0.62 (1.57)	2.38 (60.32)	0.049 (1.24)	Standard Natural	1000

Standard Cable Ties Type 21S (Loop Tensile Strength 40lb/178N)

Part Number	Length in (mm)	Width in (mm)	Min Bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Thickness in (mm)	Color	Bag Qty
CT8RD50-C	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.6)	0.052 (1.32)	Red	100
CT8BK50-C	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.6)	0.052 (1.32)	UV Resistant Black	100
CT8BK50-M	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.6)	0.052 (1.32)	UV Resistant Black	1000
CT8NT50-C	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.6)	0.052 (1.32)	Standard Natural	100
CT8NT50-M	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.6)	0.052 (1.32)	Standard Natural	1000
CT11RD50-C	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.06 (77.77)	0.052 (1.32)	Red	100
CT11BK50-C	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.06 (77.77	0.052 (1.32)	UV Resistant Black	100
CT11BK50-D	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.06 (77.77	0.052 (1.32)	UV Resistant Black	500

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CT11NT50-C	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.06 (77.77	0.052 (1.32)	Standard Natural	100
CT11NT50-D	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.06 (77.77	0.052 (1.32)	Standard Natural	500
CT15NT50-D	14.35 (364.49)	0.18 (4.57)	.062 (1.57)	4.00 (101.6)	0.052 (1.32)	Standard Natural	500
CT15BK50-D	14.35 (364.49)	0.18 (4.57)	.062 (1.57)	4.00 (101.6)	0.052 (1.32)	UV Resistant Black	500
CT15BK50-C	14.35 (364.49)	0.18 (4.57)	.062 (1.57)	4.00 (101.6)	0.052 (1.32)	UV Resistant Black	100
CT15NT50-C	14.35 (364.49)	0.18 (4.57)	.062 (1.57)	4.00 (101.6)	0.052 (1.32)	Standard Natural	100

Light Heavy Duty Cable Tie Type 21S (Loop Tensile Strength 120lb/534N)

Part Number	Length in (mm)	Width in (mm)	Min bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Thickness in (mm)	Color	Bag Qty
CT8BK120-L	8.7 (220.98)	0.3 (7.62)	0.187 (4.75)	2.06 (52.32)	0.076 (1.93)	UV Resistant Black	50
CT8NT120-L	8.7 (220.98)	0.3 (7.62)	0.187 (4.75)	2.06 (52.32)	0.076 (1.93)	Standard Natural	50
CT15NT120-C	14.83 (376.63)	14.83 (376.63)	0.187 (4.75)	4.06 (103.18)	0.076 (1.93)	Standard Natural	100
CT15NT120-D	14.83 (376.63)	14.83 (376.63)	0.187 (4.75)	4.06 (103.18)	0.076 (1.93)	Standard Natural	500
CT15BK120-D	14.83 (376.63)	14.83 (376.63)	0.187 (4.75)	4.06 (103.18)	0.076 (1.93)	UV Resistant Black	500
CT15BK120-C	14.83 (376.63)	14.83 (376.63)	0.187 (4.75)	4.06 (103.18)	0.076 (1.93)	UV Resistant Black	100

Heavy Duty Cable Tie Type 21 (Loop Tensile Strength 175lb/800N)

Part Number	Length in (mm)	Width in (mm)	Min bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Thickness in (mm)	Color	Bag Qty
CT24BK175-L	25.5 (647.7)	0.34 (8.636)	1.5 (38.10)	7.18 (182.54)	0.90 (2.29)	UV Resistant Black	50
CT24NT175-L	25.5 (647.7)	0.34 (8.636)	1.5 (38.10)	7.18 (182.54)	0.90 (2.29)	Standard Natural	50
CT36BK175-L	37.25 (946.15)	0.34 (8.636)	1.5 (38.10)	11.0 (279.40)	0.90 (2.29)	UV Resistant Black	50
CT36NT175-L	37.25 (946.15)	0.34 (8.636)	1.5 (38.10)	11.0 (279.40)	0.90 (2.29)	Standard Natural	50
CT48BK175-L	48.56 (1233.47)	0.34 (8.636)	1.5 (38.10)	14.5 (368.30)	0.90 (2.29)	UV Resistant Black	50
CT48NT175-L	48.56 (1233.47)	0.34 (8.636)	1.5 (38.10)	14.5 (368.30)	0.90 (2.29)	Standard Natural	50

Assortment Pack of 100 cable ties Type 21 & 21S | Part Number CT06220

Part Numbers in Assortment Pack	Length in (mm)	Width in (mm)	Min bundle Dia. in (mm)	Max Bundle Dia. in (mm)	Loop Tensile lb. (N)	Type	Color	Qty in Assortment pack
CT4BK18-C	4.13 (104.78)	0.095 (2.41)	.062 (1.57)	0.75 (19.05)	18lb (80N)	21	UV Resistant Black	15 each
CT4NT18-C	4.13 (104.78)	0.095 (2.41)	.062 (1.57)	0.75 (19.05)	18lb (80N)	21	Standard Natural	10 each
CT6BK40-C	5.84 (148.34)	0.14 (3.56)	.062 (1.57)	1.44 (36.42)	40 (178)	21	UV Resistant Black	10 each
CT6NT40-C	5.84 (148.34)	0.14 (3.56)	.062 (1.57)	1.44 (36.42)	40 (178)	21	Standard Natural	15 each
CT8BK50-C	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.50)	50 (220)	21S	UV Resistant Black	10 each
CT8NT50-C	7.56 (192.08)	0.18 (4.57)	.062 (1.57)	1.87 (47.50)	50 (220)	21S	Standard Natural	15 each
CT11BK50-C	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.00 (76.20)	50 (220)	21S	UV Resistant Black	10 each
CT11NT50-C	11.25 (285.75)	0.18 (4.57)	.062 (1.57)	3.00 (76.20)	50 (220)	21S	Standard Natural	15 each

Shelf Life & Storage

3M™ Cable Ties have a 2-year shelf life from date of manufacture when stored in a humidity- controlled storage (21°C/70°F and 50% relative humidity) and out of direct sunlight until installation.

Availability

3M Cable ties are manufactured in red, black and natural colors.
Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

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