

3M Cable Ties



Data Sheet

Product Description

3M™ Cable Ties are molded from 6/6 Nylon and are available in a variety of sizes, styles and colors including weather resistant black for outdoor use.

Agency Listings

Products with the UR symbol noted in the **Typical Data** section meet UL Standard 1565 for Wire Positioning Devices. UL File #E116841.

Applications

3M Cable Ties are used to secure wire bundles and harness components quickly. The flexible design allows the user to slip ties easily under and around cables and harnesses. The bend of the tail makes it easier to grasp, position and insert into the head. 3M Cable Ties can be used with most standard tensioning/cutoff tools for fast production line fastening

Open Specification

All Ties must be UL Recognized and tested to UL Standard 1565 for Wire Positioning Devices.

Closed Specification

Product must be 3M Cable Ties, UL Recognized and tested to UL Standard 1565 for Wire Positioning Devices. UL File Number E116841.

Specialty Ties

Low Profile Ties – Low profile Cable Ties feature a streamlined head for space and snag reduction.

Mounting Ties – Features a mounting hole that allows the bundle to be attached to a surface with a screw.

Identification Ties – Allows the user to tie and identify bundles of cable in one operation. The tag area on the surface may either be imprinted or written on with a marking pen.

Stainless Steel Ties – Manufactured with 316 Stainless Steel designed for use in extreme environments where weather, salt, or excessive vibration exists.


Releasable Ties – Ties remain securely locked until intentionally released for wire removal or additions using the finger catch.

Accessories


Cable Tie Mounting Bases:

3M Cable Tie Bases are molded from 6/6 nylon and ABS available in natural or weather-resistant black material. They are also available in different sizes and mounting abilities. The self-adhesive style is for simple lightweight mounting of wire bundles while the saddle design screw mount is designed for maximum weight and stability.


Typical Data

Part Number	Color	Length inch/mm	Width inch/mm	Max Bundle Dia. inch/mm	Tensile lb./kg	Temperature Flammability Rating	Bag Quantity	Thickness	Description
Miniature Cable Ties									
									
53193	Red	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
53194	Orange	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
53185	Yellow	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
53196	Green	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
53197	Blue	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
06224	Natural	4.0 / 102	.10 / 2.5	.8 / 20	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
06248	Natural	4.0 / 102	.10 / 2.5	.8 / 20	18 / 8	85C 94V-2	1000	.04 / 1.1	Standard
06200	Black	4.0 / 102	.10 / 2.5	.8 / 20	18 / 8	85C 94V-2	100	.04 / 1.1	Standard
06270	Black	4.0 / 102	.10 / 2.5	.8 / 20	18 / 8	85C 94V-2	1000	.04 / 1.1	Standard
53168	Natural	6.5 / 165	.10 / 2.5	1.7 / 43	18 / 8	85C 94V-2	100	.05 / 1.2	Standard
53219	Natural	6.5 / 165	.10 / 2.5	1.7 / 43	18 / 8	85C 94V-2	1000	.05 / 1.2	Standard
53169	Black	6.5 / 165	.10 / 2.5	1.7 / 43	18 / 8	85C 94V-2	100	.05 / 1.2	Standard
53220	Black	6.5 / 165	.10 / 2.5	1.7 / 43	18 / 8	85C 94V-2	1000	.05 / 1.2	Standard
53172	Natural	8.0 / 203	.10 / 2.5	2.2 / 56	18 / 8	85C 94V-2	100	.05 / 1.3	Standard
53223	Natural	8.0 / 203	.10 / 2.5	2.2 / 56	18 / 8	85C 94V-2	1000	.05 / 1.3	Standard
53173	Black	8.0 / 203	.10 / 2.5	2.2 / 56	18 / 8	85C 94V-2	100	.05 / 1.3	Standard
53224	Black	8.0 / 203	.10 / 2.5	2.2 / 56	18 / 8	85C 94V-2	1000	.05 / 1.3	Standard


Intermediate Cable Ties

									
06225	Natural	5.7 / 144	.14 / 3.6	1.4 / 36	40 / 18	85C 94V-2	100	.05 / 1.2	Standard
06249	Natural	5.7 / 144	.14 / 3.6	1.4 / 36	40 / 18	85C 94V-2	1000	.05 / 1.2	Standard
06201	Black	5.7 / 144	.14 / 3.6	1.4 / 36	40 / 18	85C 94V-2	100	.05 / 1.2	Standard
06271	Black	5.7 / 144	.14 / 3.6	1.4 / 36	40 / 18	85C 94V-2	1000	.05 / 1.2	Standard
53174	Natural	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53225	Natural	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	1000	.05 / 1.3	Standard
53175	Black	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53226	Black	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	1000	.05 / 1.3	Standard
53198	Red	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53199	Orange	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53200	Yellow	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53201	Green	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard
53202	Blue	8.0 / 203	.14 / 3.6	2.2 / 56	40 / 18	85C 94V-2	100	.05 / 1.3	Standard


Typical Data (con't)

Part Number	Color	Length inch/mm	Width inch/mm	Max Bundle Dia. inch/mm	Tensile lb./kg	Temperature Flammability Rating	Bag Quantity	Thickness	Description
Standard Cable Ties									
									
06226	Natural	7.5 / 190	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06250	Natural	7.5 / 190	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	1000	.05 / 1.4	Standard
06202	Black	7.5 / 190	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06272	Black	7.5 / 190	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	1000	.05 / 1.4	Standard
06227	Natural	11.3 / 286	.18 / 4.6	3.1 / 79	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06251	Natural	11.3 / 286	.18 / 4.6	3.1 / 79	50 / 22	85C 94V-2	1000	.05 / 1.4	Standard
06203	Black	11.3 / 286	.18 / 4.6	3.1 / 79	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06273	Black	11.3 / 286	.18 / 4.6	3.1 / 79	50 / 22	85C 94V-2	1000	.05 / 1.4	Standard
53203	Red	12.2 / 310	.18 / 4.6	3.3 / 84	50 / 22	85C 94V-2	100	.06 / 1.5	Standard
53204	Orange	12.2 / 310	.18 / 4.6	3.3 / 84	50 / 22	85C 94V-2	100	.06 / 1.5	Standard
53205	Yellow	12.2 / 310	.18 / 4.6	3.3 / 84	50 / 22	85C 94V-2	100	.06 / 1.5	Standard
53206	Green	12.2 / 310	.18 / 4.6	3.3 / 84	50 / 22	85C 94V-2	100	.06 / 1.5	Standard
53207	Blue	12.2 / 310	.18 / 4.6	3.3 / 84	50 / 22	85C 94V-2	100	.06 / 1.5	Standard
06228	Natural	14.5 / 368	.18 / 4.6	4.1 / 104	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06252	Natural	14.5 / 368	.18 / 4.6	4.1 / 104	50 / 22	85C 94V-2	500	.05 / 1.4	Standard
06204	Black	14.5 / 368	.18 / 4.6	4.1 / 104	50 / 22	85C 94V-2	100	.05 / 1.4	Standard
06274	Black	14.5 / 368	.18 / 4.6	4.1 / 104	50 / 22	85C 94V-2	500	.05 / 1.4	Standard
53176	Natural	17.0 / 432	.19 / 4.8	4.9 / 125	50 / 22	85C 94V-2	50	.06 / 1.5	Standard
53177	Black	17.0 / 432	.19 / 4.8	4.9 / 125	50 / 22	85C 94V-2	50	.06 / 1.5	Standard


Heavy Duty Cable Ties

									
06229	Natural	8.7 / 221	.30 / 7.6	2.0 / 51	120 / 54	85C 94V-2	50	.08 / 1.9	Standard
06206	Black	8.7 / 221	.30 / 7.6	2.0 / 51	120 / 54	85C 94V-2	50	.08 / 1.9	Standard
06240	Natural	15.1 / 383	.30 / 7.6	4.0 / 102	120 / 54	85C 94V-2	100	.08 / 1.9	Standard
06264	Natural	15.1 / 383	.30 / 7.6	4.0 / 102	120 / 54	85C 94V-2	500	.08 / 1.9	Standard
06207	Black	15.1 / 383	.30 / 7.6	4.0 / 102	120 / 54	85C 94V-2	100	.08 / 1.9	Standard
06277	Black	15.1 / 383	.30 / 7.6	4.0 / 102	120 / 54	85C 94V-2	500	.08 / 1.9	Standard


Extra Heavy Duty Cable Ties

									
53178	Natural	17.7 / 450	.31 / 7.9	5.2 / 133	175 / 79	85C 94V-2	50	.08 / 1.9	Standard
53179	Black	17.7 / 450	.31 / 7.9	5.2 / 133	175 / 79	85C 94V-2	50	.08 / 1.9	Standard
53180	Natural	21.5 / 546	.31 / 7.9	6.5 / 166	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53181	Black	21.5 / 546	.31 / 7.9	6.5 / 166	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53227	Natural	23.8 / 605	.35 / 9.0	7.3 / 185	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53228	Black	23.8 / 605	.35 / 9.0	7.3 / 185	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53182	Natural	27.7 / 705	.35 / 9.0	8.7 / 220	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53183	Black	27.7 / 705	.35 / 9.0	8.7 / 220	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53184	Natural	32 / 813	.35 / 9.0	9.7 / 246	175 / 79	85C 94V-2	50	.08 / 1.9	Standard
53185	Black	32 / 813	.35 / 9.0	9.7 / 246	175 / 79	85C 94V-2	50	.08 / 1.9	Standard
06247	Natural	33.1 / 841	.34 / 8.6	9.8 / 248	175 / 79	85C 94V-2	50	.09 / 2.3	Standard
06246	Black	33.1 / 841	.34 / 8.6	9.8 / 248	175 / 79	85C 94V-2	50	.09 / 2.3	Standard
06260	Natural	37.1 / 942	.34 / 8.6	11 / 279	175 / 79	85C 94V-2	50	.09 / 2.3	Standard
06259	Black	37.1 / 942	.34 / 8.6	11 / 279	175 / 79	85C 94V-2	50	.09 / 2.3	Standard
53186	Natural	48 / 1219	.35 / 9.0	15 / 380	175 / 79	85C 94V-2	50	.08 / 2.0	Standard
53187	Black	48 / 1219	.35 / 9.0	15 / 380	175 / 79	85C 94V-2	50	.08 / 2.0	Standard

Typical Data (con't)

Part Number	Color	Length inch/mm	Width inch/mm	Max Bundle Dia. inch/mm	Tensile lb./kg	Temperature Flammability Rating	Bag Quantity	Thickness	Description
Screw Mount Cable Ties									
									
06232	Natural	8.1 / 206	.18 / 4.5	1.8 / 44	50 / 22	85C 94V-2	100	.05 / 1.2	Mounting #10 Screw
06256	Natural	8.1 / 206	.18 / 4.5	1.8 / 44	50 / 22	85C 94V-2	1000	.05 / 1.2	Mounting #10 Screw
06205	Black	8.1 / 206	.18 / 4.5	1.8 / 44	50 / 22	85C 94V-2	100	.05 / 1.2	Mounting #10 Screw
06275	Black	8.1 / 206	.19 / 4.8	1.8 / 44	50 / 22	85C 94V-2	1000	.05 / 1.2	Mounting #10 Screw
06234	Natural	14.5 / 369	.19 / 4.7	4.0 / 102	50 / 22	85C 94V-2	50	.06 / 1.5	Mounting #10 Screw
06258	Natural	4.5 / 369	.19 / 4.7	4.0 / 102	50 / 22	85C 94V-2	500	.06 / 1.5	Mounting #10 Screw
06243	Natural	15.7 / 398	.30 / 7.5	4.0 / 102	120 / 54	85C 94V-2	50	.07 / 1.8	Mounting 1/4in Screw
06267	Natural	15.7 / 398	.30 / 7.5	4.0 / 102	120 / 54	85C 94V-2	500	.07 / 1.8	Mounting 1/4in Screw

Identification Cable Ties

									
53208	Natural	3.9 / 100	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.05 / 1.1	Horizontal I.D. 1in. x .31in. Tab 25 mm x 8 mm
53210	Natural	4.3 / 110	.10 / 2.5	1.0 / 25	18 / 8	85C 94V-2	100	.05 / 1.2	Horizontal Flag I.D. 1in. x .31in. Tab* 25 mm x 8 mm
53211	Natural	7.9 / 200	.10 / 2.5	1.9 / 48	18 / 8	85C 94V-2	100	.05 / 1.2	Vertical I.D. 1.1in. x .6in. Tab 28 mm x 15 mm
53212	Natural	7.9 / 200	.18 / 4.6	1.9 / 48	50 / 22	85C 94V-2	100	.06 / 1.4	Vertical I.D. 1.1in. x .5in. Tab 28 mm x 13 mm
53213	Natural	10.6 / 270	.18 / 4.6	2.9 / 75	50 / 22	85C 94V-2	100	.05 / 1.3	Vertical I.D. 1.1in x .5in Tab 28 mm x 13 mm

*Tab proceeds head

Typical Data (con't)

Part Number	Color	Length inch/mm	Width inch/mm	Max Bundle Dia. inch/mm	Tensile lb./kg	Temperature Flammability Rating	Bag Quantity	Thickness	Description
Releasable Cable Ties									
53188	Natural	5.9 / 150	.19 / 4.7	1.5 / 38	50 / 22	85C 94V-2	100	.05 / 1.2	Releasable
53189	Natural	7.9 / 200	.31 / 8.0	1.9 / 48	50 / 22	85C 94V-2	100	.05 / 1.3	Releasable
53190	Natural	11.8 / 300	.31 / 8.0	3.2 / 80	50 / 22	85C 94V-2	100	.06 / 1.6	Releasable

Stainless Steel Cable Ties

53191	S / S	7.9 / 200	.18 / 4.6	1.9 / 48	100 / 45	538C	100	.01 / .26	Stainless Steel
53192	S / S	14.2 / 360	.18 / 4.6	4.1 / 104	100 / 45	538C	100	.01 / .26	Stainless Steel

Low Profile Cable Ties



53429	Natural	7.5 / 1.90	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	100	.05 / 1.4	Low Profile
53430	Black	7.5 / 1.90	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	100	.05 / 1.4	Low Profile
53431	Natural	7.5 / 1.90	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	1000	.05 / 1.4	Low Profile
53432	Black	7.5 / 1.90	.18 / 4.5	1.9 / 48	50 / 22	85C 94V-2	1000	.05 / 1.4	Low Profile

Part Number	Dimensions LxWxH inch/mm	Cable Tie Size	Color	Mount Type	Bag Quantity	Material
-------------	--------------------------------	-------------------	-------	---------------	-----------------	----------

Mounting Bases:

06294	Natural	.74 x .74 x .19 19 x 19 x 4.8	Miniature Intermediate	Foam Backed Adhesive	100	Nylon
06295	Black	.74 x .74 x .19 19 x 19 x 4.8	Miniature Intermediate	Foam Backed Adhesive	100	Nylon
06296	Natural	.99 x .99 x .20 25 x 25 x 5.0	Miniature Intermediate Standard	Foam Backed Adhesive	100	Nylon
06297	Black	.99 x .99 x .20 25 x 25 x 5.0	Miniature Intermediate Standard	Foam Backed Adhesive	100	Nylon
06290	Ivory	1.0 x 2.0 x .32 25 x 51 x 8.0	Miniature Intermediate Standard	Foam Backed Adhesive	100	ABS
06291	Ivory	1.0 x 1.0 x .32 25 x 51 x 8.0	Miniature Intermediate Standard	Foam Backed Adhesive	250	ABS
06292	Ivory	1.0 x 1.0 x .12 25 x 25 x 2.9	Miniature Intermediate Standard	Foam Backed Adhesive Screw Mount	100	ABS
06293	Ivory	1.0 x 1.0 x .12 25 x 25 x 2.9	Miniature Intermediate Standard	Foam Backed Adhesive Screw Mount	250	ABS
06298	Natural	.59 x .39 x .28 15 x 10 x 7.0	Miniature Intermediate Standard	Screw Mount	100	Nylon
06299	Natural	.91 x .63 x .35 23 x 16 x 9.0	Miniature Intermediate Standard Heavy Duty Extra Heavy Duty	Screw Mount	100	Nylon

'3M' is a trademark of 3M Company.

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 as of the date 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 loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/elpd

Litho in USA
©3M 2002 78-8125-9860-1-B