

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.

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									
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	7.9 / 200	.14 / 3.6	2.1 / 53	40 / 18	85C 94V-2	100	.04 / 1.0	Standard
53225	Natural	7.9 / 200	.14 / 3.6	2.1 / 53	40 / 18	85C 94V-2	1000	.04 / 1.0	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

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	7.9 / 200	.19 / 4.8	2.0 / 50	50 / 22	85C 94-V2	100	.05 / 1.4	Standard
06272	Black	7.9 / 200	.19 / 4.8	2.0 / 50	50 / 22	85C 94-V2	1000	.05 / 1.4	Standard
06227	Natural	11.8 / 300	.19 / 4.8	3.0 / 76	50 / 22	85C 94-V2	100	.05 / 1.4	Standard
06251	Natural	11.8 / 300	.19 / 4.8	3.0 / 76	50 / 22	85C 94-V2	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
06228	Natural	15.4 / 391	.19 / 4.8	4.1 / 104	50 / 22	85C 94-V2	100	.05 / 1.4	Standard
06252	Natural	15.4 / 391	.19 / 4.8	4.1 / 104	50 / 22	85C 94-V2	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

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

									
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
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
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	7.9 / 200	.19 / 4.8	2.0 / 50	50 / 22	85C 94V-2	100	.05 / 1.2	Mounting #10 Screw
06256	Natural	7.9 / 200	.19 / 4.8	2.0 / 50	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

Typical Data (con't)

Part	Dimensions LxWxH	Cable Tie	Color	Mount	Bag	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

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Electrical Markets Division

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

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