

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 |

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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.

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