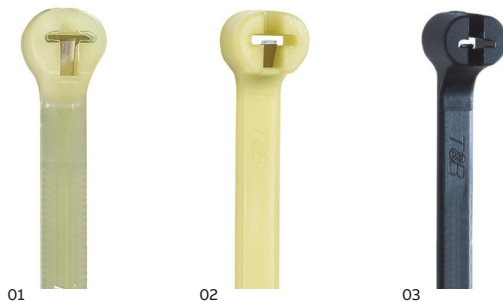


TECHNICAL DATA SHEET - INTERACTIVE PDF

# Cable Tie, heat-stabilized

## TYH-M, TYHT-M and TY-MX-A series

**Ty-Rap®**



Cable ties are primarily used to cinch wires and cables together to form a neat and organized bundle.

### Certifications / Standards:



**3-Part Specification: 26 05 84**

**End User Tools**

- 01 Heat stabilized
- 02 Extra high temperature stabilized
- 03 Heat stabilized + UV-resistant

### Features:

- 316 stainless steel barb is corrosion resistant and helps provide greater longevity

### Ratings:

- Operating temperature range:
  - Heat stabilized and Heat stabilized + UV resistant: -76°F (-60°C) to 221°F (105°C)
  - Extra high temperature stabilized: -40°F (-40°C) to 302°F (150°C)

### Recommended Installation Tool:

- ERG120 / WT197 (MS90387-2)
- ERG50

### Conforms to:

- UL 62275 under File E49405
- for TYHT series only

### Materials:

- Heat stabilized and Heat stabilized + UV resistant: molded bodies: Polyamide 6.6
- Extra high temperature stabilized: Polyamide 4.6

### Colors:

- Heat stabilized: Natural (may have greenish tint)
- Extra high temperature stabilized: Light green
- Heat stabilized + UV: Black

### Cable Tie, heat-stabilized

TYH-M series: Heat stabilized

| Product selection            |                                      |                                      |                                 |        |                              |                                |                              |                                |                                |                                       |
|------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------|------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| Part no. standard<br>GID no. | Min. Bundle<br>diameter<br>inch (mm) | Max. Bundle<br>diameter<br>inch (mm) | Tensile<br>strength<br>lbs. (N) | Figure | A<br>inch (mm)<br>±0.250 (6) | B<br>inch (mm)<br>±0.030 (0.8) | C<br>inch (mm)<br>±0.040 (1) | D<br>inch (mm)<br>±0.060 (1.5) | E<br>inch (mm)<br>±0.015 (0.4) | Min.<br>Installation<br>Temp. °F (°C) |
| TYH23M<br>7TCG009590R0002    | 0.06<br>(1.5)                        | 0.63<br>(16)                         | 18.0<br>(80)                    | 1      | 3.63<br>(92)                 | 0.09<br>(2.3)                  | 0.15<br>(3.8)                | 0.19<br>(4.7)                  | 0.04<br>(1.0)                  | -22<br>(-30)                          |
| TYH232M<br>7TCG009590R0001   | 0.06<br>(1.5)                        | 2.01<br>(51)                         | 18.0<br>(80)                    | 1      | 8.04<br>(204)                | 0.09<br>(2.3)                  | 0.15<br>(3.8)                | 0.19<br>(4.7)                  | 0.04<br>(1.0)                  | -22<br>(-30)                          |
| TYHB23M<br>7TCG009460R0111   | 0.06<br>(1.5)                        | 0.63<br>(16)                         | 18.0<br>(80)                    | 1      | 3.63<br>(92)                 | 0.09<br>(2.3)                  | 0.15<br>(3.8)                | 0.19<br>(4.7)                  | 0.04<br>(1.0)                  | -22<br>(-30)                          |
| TYH24M<br>7TAG009590R0004    | 0.08<br>(2.0)                        | 1.38<br>(35)                         | 40.5<br>(180)                   | 1      | 5.38<br>(137)                | 0.14<br>(3.6)                  | 0.18<br>(4.6)                | 0.25<br>(6.4)                  | 0.04<br>(1.0)                  | -22<br>(-30)                          |
| TYH242M<br>7TCG009590R0003   | 0.08<br>(2.0)                        | 2.01<br>(51)                         | 40.5<br>(180)                   | 1      | 8.18<br>(208)                | 0.14<br>(3.6)                  | 0.18<br>(4.6)                | 0.25<br>(6.4)                  | 0.04<br>(1.0)                  | -22<br>(-30)                          |
| TYH25M<br>7TAG009590R0006    | 0.12<br>(3.0)                        | 1.89<br>(48)                         | 49.5<br>(220)                   | 1      | 7.31<br>(186)                | 0.19<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.3)                  | -22<br>(-30)                          |
| TYH253M<br>7TAG009590R0005   | 0.12<br>(3.0)                        | 2.99<br>(76)                         | 49.5<br>(220)                   | 1      | 14.96<br>(380)               | 0.19<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.3)                  | -22<br>(-30)                          |
| TYH26M<br>7TCG009590R0007    | 0.08<br>(2.0)                        | 2.99<br>(76)                         | 27.0<br>(120)                   | 1      | 10.91<br>(277)               | 0.14<br>(3.6)                  | 0.18<br>(4.6)                | 0.25<br>(6.4)                  | 0.05<br>(1.3)                  | -22<br>(-30)                          |
| TYH27M<br>7TAG009590R0009    | 0.19<br>(4.8)                        | 4.02<br>(102)                        | 121.4<br>(540)                  | 2      | 13.50<br>(343)               | 0.27<br>(6.9)                  | 0.32<br>(8.1)                | 0.48<br>(12.2)                 | 0.06<br>(1.5)                  | -40<br>(-40)                          |
| TYH272M<br>7TCG009590R0008   | 0.19<br>(4.8)                        | 2.01<br>(51)                         | 121.4<br>(540)                  | 2      | 8.75<br>(222)                | 0.27<br>(6.9)                  | 0.32<br>(8.1)                | 0.50<br>(12.7)                 | 0.06<br>(1.5)                  | -40<br>(-40)                          |
| TYH28M<br>7TAG009590R0010    | 0.12<br>(3.0)                        | 4.02<br>(102)                        | 49.5<br>(220)                   | 2      | 14.20<br>(360)               | 0.19<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.3)                  | -22<br>(-30)                          |
| TYH29M<br>7TCG009590R0011    | 0.19<br>(4.8)                        | 9.02<br>(229)                        | 121.4<br>(540)                  | 2      | 30.40<br>(771)               | 0.27<br>(6.9)                  | 0.32<br>(8.1)                | 0.50<br>(12.7)                 | 0.06<br>(1.5)                  | -40<br>(-40)                          |

Note: Product must be installed in accordance with applicable national and local electrical codes.

### Cable Tie, heat-stabilized

TYHT-M series: Extra high temperature stabilized

| Product selection            |                                      |                                      |                                 |        |                              |                                |                              |                                |                                |                                       |
|------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------|------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| Part no. standard<br>GID no. | Min. Bundle<br>diameter<br>inch (mm) | Max. Bundle<br>diameter<br>inch (mm) | Tensile<br>strength<br>lbs. (N) | Figure | A<br>inch (mm)<br>±0.250 (6) | B<br>inch (mm)<br>±0.030 (0.8) | C<br>inch (mm)<br>±0.040 (1) | D<br>inch (mm)<br>±0.060 (1.5) | E<br>inch (mm)<br>±0.015 (0.4) | Min.<br>Installation<br>Temp. °F (°C) |
| TYHT23M<br>7TAG009590R0012   | 0.062<br>(1.57)                      | 0.787<br>(20.0)                      | 18.0<br>(80)                    | 1      | 3.63<br>(92)                 | 0.09<br>(2.3)                  | 0.15<br>(3.8)                | 0.19<br>(4.7)                  | 0.04<br>(1.0)                  | -0.4<br>(-18)                         |
| TYHT24M<br>7TAG009590R0013   | 0.062<br>(1.57)                      | 1.140<br>(29.0)                      | 40<br>(178)                     | 1      | 5.38<br>(137)                | 0.14<br>(3.6)                  | 0.18<br>(4.6)                | 0.25<br>(6.4)                  | 0.04<br>(1.0)                  | -0.4<br>(-18)                         |
| TYHT25M<br>7TAG009590R0014   | 0.187<br>(4.75)                      | 1.77<br>(45.0)                       | 50<br>(222)                     | 1      | 7.31<br>(186)                | 0.18<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.2)                  | -0.4<br>(-18)                         |
| TYHT27M<br>7TAG009590R0015   | 0.187<br>(4.75)                      | 3.50<br>(89.0)                       | 120<br>(534)                    | 2      | 13.50<br>(343)               | 0.27<br>(6.9)                  | 0.32<br>(8.1)                | 0.48<br>(12.2)                 | 0.06<br>(1.5)                  | -0.4<br>(-18)                         |
| TYHT277M*<br>7TAG009000R0326 | 0.236<br>(6)                         | 6.97<br>(177)                        | 121.4<br>(540)                  | 2      | 24.29<br>(617)               | 0.28<br>(7.0)                  | 0.32<br>(8.1)                | 0.51<br>(13.0)                 | 0.06<br>(1.6)                  | -0.4<br>(-18)                         |
| TYHT28M<br>7TAG009590R0016   | 0.187<br>(4.75)                      | 4.00<br>(102.0)                      | 50<br>(222)                     | 2      | 14.20<br>(360)               | 0.19<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.3)                  | -0.4<br>(-18)                         |

Note: Product must be installed in accordance with applicable national and local electrical codes.

\*All certifications marks may not apply.

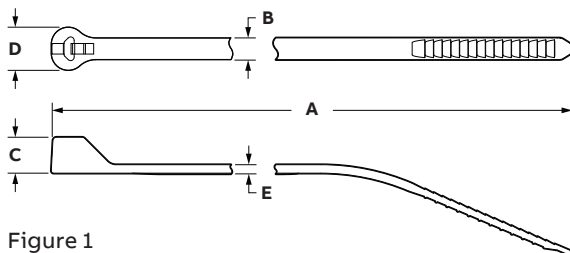


Figure 1

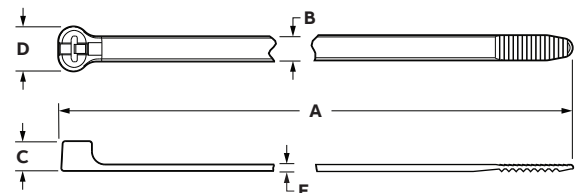


Figure 2

## Cable Tie, heat-stabilized

TY-MX-A series: Heat stabilized + UV-resistant

| Product selection            |                                      |                                      |                                 |        |                              |                                |                              |                                |                                |                                       |
|------------------------------|--------------------------------------|--------------------------------------|---------------------------------|--------|------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| Part no. standard<br>GID no. | Min. Bundle<br>diameter<br>inch (mm) | Max. Bundle<br>diameter<br>inch (mm) | Tensile<br>strength<br>lbs. (N) | Figure | A<br>inch (mm)<br>±0.250 (6) | B<br>inch (mm)<br>±0.030 (0.8) | C<br>inch (mm)<br>±0.040 (1) | D<br>inch (mm)<br>±0.060 (1.5) | E<br>inch (mm)<br>±0.015 (0.4) | Min.<br>Installation<br>Temp. °F (°C) |
| TY23MX-A<br>7TAG009640R0000  | 0.19<br>(4.8)                        | 0.63<br>(16)                         | 18.0<br>(80)                    | 1      | 3.63<br>(92)                 | 0.09<br>(2.3)                  | 0.15<br>(3.8)                | 0.19<br>(4.7)                  | 0.04<br>(1.0)                  | -40<br>(-40)                          |
| TY24MX-A<br>7TAG009640R0001  | 0.21<br>(5.2)                        | 1.38<br>(35)                         | 29.9<br>(133)                   | 1      | 5.38<br>(137)                | 0.14<br>(3.6)                  | 0.18<br>(4.6)                | 0.25<br>(6.4)                  | 0.04<br>(1.0)                  | -40<br>(-40)                          |
| TY25MX-A<br>7TAG009640R0002  | 0.24<br>(6.2)                        | 1.89<br>(48)                         | 49.9<br>(222)                   | 1      | 7.31<br>(186)                | 0.18<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.2)                  | -40<br>(-40)                          |
| TY27MX-A<br>7TAG009640R0003  | 0.31<br>(8.0)                        | 3.74<br>(95)                         | 121.4<br>(540)                  | 2      | 13.50<br>(343)               | 0.27<br>(6.9)                  | 0.32<br>(8.1)                | 0.48<br>(12.2)                 | 0.06<br>(1.5)                  | -40<br>(-40)                          |
| TY28MX-A<br>7TAG009210R0051  | 0.31<br>(8.0)                        | 3.74<br>(95)                         | 49.9<br>(222)                   | 2      | 14.20<br>(360)               | 0.19<br>(4.7)                  | 0.22<br>(5.6)                | 0.32<br>(8.0)                  | 0.05<br>(1.3)                  | -40<br>(-40)                          |

Note: Product must be installed in accordance with applicable national and local electrical codes.

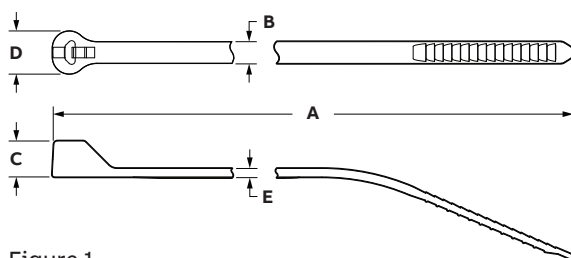


Figure 1

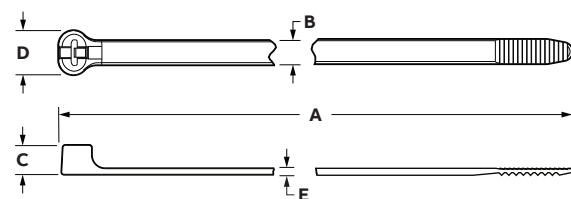


Figure 2