TECHNICAL DATA SHEET - INTERACTIVE PDF

Cable Tie, heat-stabilized

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

Ty-Rap®



01



02



03

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
Tools and Calculators

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
- ERG50

Conforms to:
- UL 62275 under File E49405
- for TYHT series only
- DNV-GL for TY-MX-A series only
- RoHS (Restriction of Hazardous Substance)
  - European Directive 2011/65 and Commission Delegated Directive 2015/863

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

Table data:
- TYH-M series: Heat stabilized
- TYHT-M series: Extra high temperature stabilized
- TY-MX-A series: Heat stabilized + UV-resistant

Cable Tie, heat-stabilized

TYH-M series: Heat stabilized

Product selection										
Part no. standard GID no.	**Min. Bundle diameter inch (mm)**	**Max. Bundle diameter inch (mm)**	**Tensile strength lbs. (N)**	**Figure**	**A inch (mm) ±0.250 (6)**	**B inch (mm) ±0.030 (0.8)**	**C inch (mm) ±0.040 (1)**	**D inch (mm) ±0.060 (1.5)**	**E inch (mm) ±0.015 (0.4)**	**Min. Installation Temp. °F (°C)**
TYH23M 7TCG009590R0002	0.06 (1.5)	0.63 (16)	18.0 (80)	1	3.63 (92)	0.09 (2.3)	0.15 (3.8)	0.19 (4.7)	0.04 (1.0)	-22 (-30)
TYH232M 7TCG009590R0001	0.06 (1.5)	2.01 (51)	18.0 (80)	1	8.04 (204)	0.09 (2.3)	0.15 (3.8)	0.19 (4.7)	0.04 (1.0)	-22 (-30)
TYHB23M* 7TCG009460R0111	0.06 (1.5)	0.63 (16)	18.0 (80)	1	3.63 (92)	0.09 (2.3)	0.15 (3.8)	0.19 (4.7)	0.04 (1.0)	-22 (-30)
TYH24M 7TAG009590R0004	0.08 (2.0)	1.38 (35)	40.5 (180)	1	5.38 (137)	0.14 (3.6)	0.18 (4.6)	0.25 (6.4)	0.04 (1.0)	-22 (-30)
TYH242M 7TCG009590R0003	0.08 (2.0)	2.01 (51)	40.5 (180)	1	8.18 (208)	0.14 (3.6)	0.18 (4.6)	0.25 (6.4)	0.04 (1.0)	-22 (-30)
TYH25M 7TAG009590R0006	0.12 (3.0)	1.89 (48)	49.5 (220)	1	7.31 (186)	0.19 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.3)	-22 (-30)
TYH253M 7TAG009590R0005	0.12 (3.0)	2.99 (76)	49.5 (220)	1	11.57 (294)	0.19 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.3)	-22 (-30)
TYH26M 7TCG009590R0007	0.08 (2.0)	2.99 (76)	27.0 (120)	1	10.91 (277)	0.14 (3.6)	0.18 (4.6)	0.25 (6.4)	0.05 (1.3)	-22 (-30)
TYH27M 7TAG009590R0009	0.19 (4.8)	4.02 (102)	121.4 (540)	2	13.50 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-40 (-40)
TYH272M 7TCG009590R0008	0.19 (4.8)	2.01 (51)	121.4 (540)	2	8.75 (222)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-40 (-40)
TYH28M 7TAG009590R0010	0.12 (3.0)	4.02 (102)	49.5 (220)	2	14.20 (360)	0.19 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.3)	-22 (-30)
TYH29M 7TCG009590R0011	0.19 (4.8)	9.02 (229)	121.4 (540)	2	30.40 (771)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-40 (-40)

Note: Product must be installed in accordance with applicable national and local electrical codes.
* All certifications marks may not apply .

Cable Tie, heat-stabilized

TYHT-M series: Extra high temperature stabilized

Product selection										
Part no. standard GID no.	**Min. Bundle diameter inch (mm)**	**Max. Bundle diameter inch (mm)**	**Tensile strength lbs. (N)**	**Figure**	**A inch (mm) ±0.250 (6)**	**B inch (mm) ±0.030 (0.8)**	**C inch (mm) ±0.040 (1)**	**D inch (mm) ±0.060 (1.5)**	**E inch (mm) ±0.015 (0.4)**	**Min. Installation Temp. °F (°C)**
TYHT23M* 7TAG009590R0012	0.062 (1.57)	0.787 (20.0)	18.0 (80)	1	3.63 (92)	0.09 (2.3)	0.15 (3.8)	0.19 (4.7)	0.04 (1.0)	0 (-18)
TYHT24M* 7TAG009590R0013	0.062 (1.57)	1.140 (29.0)	40 (178)	1	5.38 (137)	0.14 (3.6)	0.18 (4.6)	0.25 (6.4)	0.04 (1.0)	0 (-18)
TYHT25M* 7TAG009590R0014	0.187 (4.75)	1.77 (45.0)	50 (222)	1	7.31 (186)	0 .18 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.2)	0 (-18)
TYHT27M* 7TAG009590R0015	0.187 (4.75)	3.50 (89.0)	120 (534)	2	13.50 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	0 (-18)
TYHT28M* 7TAG009590R0016	0.187 (4.75)	4.00 (102.0)	50 (222)	2	14.20 (360)	0.19 (4.7)	0.22 (5.6)	0.32 8.0	0.05 (1.3)	0 (-18)

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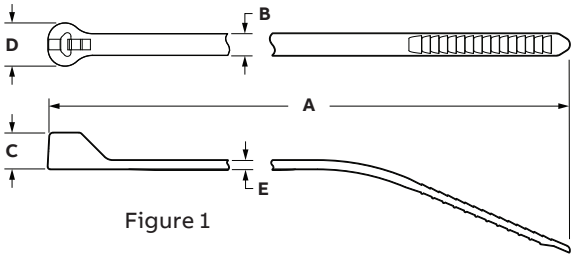


Figure 1

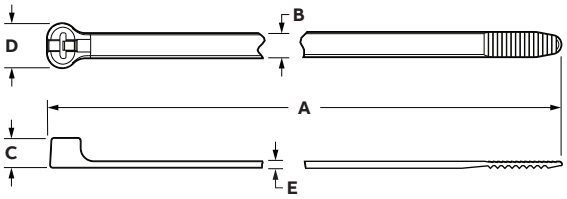


Figure 2

Cable Tie, heat-stabilized

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

Product selection

Part no. standard GID no.	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	Figure	A inch (mm) ±0.250 (6)	B inch (mm) ±0.030 (0.8)	C inch (mm) ±0.040 (1)	D inch (mm) ±0.060 (1.5)	E inch (mm) ±0.015 (0.4)	Min. Installation Temp. °F (°C)
TY23MX-A 7TAG009640R0000	0.19 (4.8)	0.63 (16)	18.0 (80)	1	3.63 (92)	0.09 (2.3)	0.15 (3.8)	0.19 (4.7)	0.04 (1.0)	-40 (-40)
TY24MX-A 7TAG009640R0001	0.21 (5.2)	1.38 (35)	29.9 (133)	1	5.38 (137)	0.14 (3.6)	0.18 (4.6)	0.25 (6.4)	0.04 (1.0)	-40 (-40)
TY25MX-A 7TAG009640R0002	0.24 (6.2)	1.89 (48)	49.9 (222)	1	7.31 (186)	0 .18 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.2)	-40 (-40)
TY27MX-A 7TAG009640R0003	0.31 (8.0)	3.74 (95)	121.4 (540)	2	13.50 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-40 (-40)
TY28MX-A 7TAG009210R0051	0.31 (8.0)	3.74 (95)	49.9 (222)	2	14.20 (360)	0.19 (4.7)	0.22 (5.6)	0.32 (8.0)	0.05 (1.3)	-40 (-40)

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

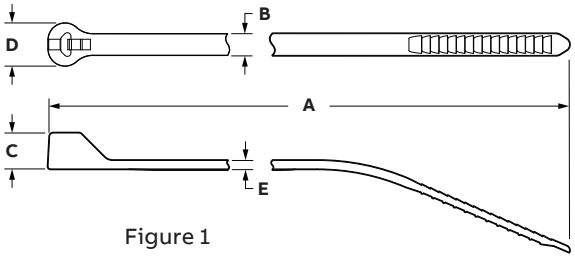


Figure 1

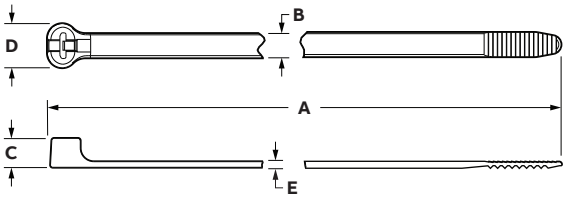


Figure 2

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