

TECHNICAL DATA SHEET - INTERACTIVE PDF

Cable Tie, miniature, 18 lbs (80N)

TY23, TY2315, TY232 and TY234 series ties

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
Tools and Calculators

Features:

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

Ratings:

- Tensile strength 80 N (18 lbs)
- Minimum operating temperature -76°F (-60°C)
- Maximum operating temperature, see table on next page.

Recommended Installation Tool:

- ERG50 / WT199
 - Setting 1-3

Conforms to:

- UL 62275
- CAN/CSA C22.2 No. 62275
- NMX-J-623-ANCE
- EN 45545-2 (for -RW ties only)
- RoHS (Restriction of Hazardous Substance)
 - European Directive 2011/65 and Commission Delegated Directive 2015/863

Materials:

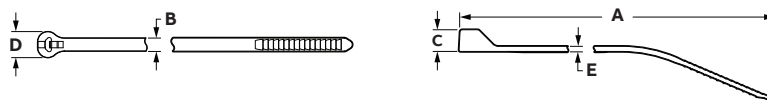
- Body - Nylon 6,6

Table data:

- [TY23 series](#)
- [TY2315 series](#)
- [TY232 series](#)
- [TY234 series](#)

Cable ties, miniature

TY23 series



Product selection

Part no.	Color	Min. bundle diameter inch (mm)	Max. bundle diameter inch (mm)	A inch (mm) ±0.25 (6)	B inch (mm) ±0.03 (0.8)	C inch (mm) ±0.04 (1)	D inch (mm) ±0.06 (1.5)	E inch (mm) ±0.015 (0.4)	Max. Operating Temp. °F (°C)	Min. Installation Temp. °F (°C)
TY23M 7TAG009040R0009	Natural	0.06 (1.5)	0.63 (16)	3.6 (92)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	185 (85)	-4 (-20)
TY523M 7TAG009010R0012	Natural									
TY523MR 7TCG009030R0085	Natural									
TYB23M* 7TCG009450R0186	Natural									
TY23M-100 7TAG009030R0078	Natural									
TY523MR-0 7TCG009450R0167	Black									
TY23M-1*** MS3367-4-1 7TAG009070R0095	Brown									
TY23M-2*** MS3367-4-2 7TAG009070R0096	Red									
TY23M-3*** MS3367-4-3 7TAG009070R0097	Orange									
TY523M-3*** MS3367-4-3 7TAG009070R0105	Orange									
TY23M-4*** MS3367-4-4 7TAG009070R0098	Yellow									
TY23M-5*** MS3367-4-5 7TAG009070R0099	Green									
TY23M-6*** MS3367-4-6 7TAG009070R0100	Blue									
TY523MR-6 7TCG009010R0013	Blue									
TY23M-7*** MS3367-4-7 7TAG009070R0101	Purple									
TY23M-8*** MS3367-4-8 7TAG009070R0102	Gray									
TY523MR-8 7TCG009010R0014	Gray									
TY23M-9*** MS3367-4-9 7TAG009070R0103	Natural									
TY23M-10*** 7TAG009070R0121	White									
TY23MX 7TAG009040R0011	UV Resistant Black	0.06 (1.5)	0.63 (16)	3.6 (92)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)
TY523MX 7TAG009010R0015	UV Resistant Black									
TY523MXR 7TCG009450R0168	UV Resistant Black									
TYB23MX 7TCG009960R0068	UV Resistant Black									
TY23MX-100 7TAG009030R0079	UV Resistant Black									
TY23MX-0*** MS3367-4-0 7TAG009040R0021	UV Resistant Black	0.06 (1.5)	0.63 (16)	3.6 (92)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	185 (85)	+32 (0)
TY23MX-RW** 7TCG009040R0015	UV Resistant Black	0.06 (1.5)	0.63 (16)	3.6 (92)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)
TY523MXR-RW** 7TCG009040R0017	UV Resistant Black									

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

* All certification marks may not apply.

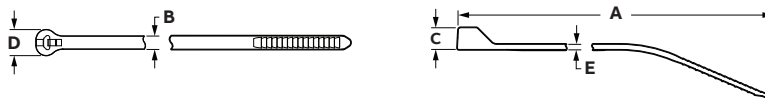
** Railway ties: Certified to EN 45545-2: HL2 (no other marks besides CE and Railway apply)

*** Conforms to AS23190. MS Installation tool: MS90387-1. Tool setting: 1-3



Cable ties, miniature

TY2315 series



Product selection

Part no.	Color	Min. bundle diameter inch (mm)	Max. bundle diameter inch (mm)	A inch (mm) ±0.5 (12)	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)	Max. Operating Temp. °F (°C)	Min. Installation Temp. °F (°C)
TY52315M 7TAG009020R0050	Natural	0.06 (1.5)	1.26 (32)	6.7 (170)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	185 (85)	-4 (-20)
TYB2315M 7TAG009050R0002	Natural									
TY52315MX 7TAG009020R0051	UV Resistant Black	0.06 (1.5)	1.26 (32)	6.7 (170)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)
TYB2315MX 7TAG009050R0003	UV Resistant Black									

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

* All certification marks may not apply.

** Railway ties: Certified to EN 45545-2: HL2 (no other marks besides CE and Railway apply)

Cable ties, miniature

TY232 series (continued on next page)

Product selection

Part no.	Color	Min. bundle diameter inch (mm)	Max. bundle diameter inch (mm)	A inch (mm) ±0.5 (12)	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)	Max. Operating Temp. °F (°C)	Min. Installation Temp. °F (°C)
TY232M 7TAG009040R0005	Natural	0.06 (1.5)	2.01 (51)	8.0 (202)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	185 (85)	-4 (-20)
TY5232M 7TAG009010R0008	Natural									
TY5232MR 7TCG009030R0080	Natural									
TY232M-0 7TCG009060R0011	Black									
TY232M-1 7TAG009070R0083	Brown									
TY232M-2 7TAG009070R0084	Red									
TY232M-3 7TAG009070R0085	Orange									
TY232M-4 7TAG009070R0086	Yellow									
TY232M-5 7TAG009070R0087	Green									
TY232M-6 7TAG009070R0088	Blue									
TY232M-7 7TAG009070R0089	Purple									
TY232M-8 7TAG009070R0090	Gray									
TYB232M 7TCG009020R0054	Natural									
TY232MX 7TAG009040R0007	UV Resistant Black	0.06 (1.5)	2.01 (51)	8.0 (202)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)
TY5232MX 7TAG009010R0010	UV Resistant Black									
TY5232MXR 7TCG009030R0082	UV Resistant Black									
TYB232MX 7TCG009020R0055	UV Resistant Black									
TY232MX-RW** 7TCG009040R0014	UV Resistant Black	0.06 (1.5)	2.01 (51)	8.0 (202)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 105	-22 (-30)

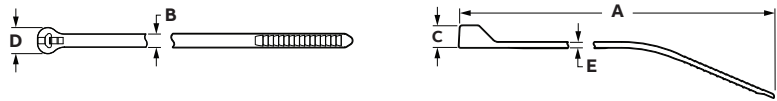
Note: Product must be installed in accordance with applicable national and local electrical codes.

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Cable ties, miniature
TY234 series



Product selection										
Part no.	Color	Min. bundle diameter inch (mm)	Max. bundle diameter inch (mm)	A inch (mm) ±0.5 (12)	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)	Max. Operating Temp. °F (°C)	Min. Installation Temp. °F (°C)
TY234M 7TAG009050R0000	Natural	0.06 (1.5)	4.02 (102)	14.0 (357)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	185 (85)	-4 (-20)
TY5234M 7TAG009020R0052	Natural									
TY234M-2 7TAG009070R0092	Red									
TY234M-4 7TAG009070R0093	Yellow									
TY234M-6 7TAG009000R0210	Blue									
TY234MX 7TAG009050R0001	UV Resistant Black	0.06 (1.5)	4.02 (102)	14.0 (357)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)
TY5234MX 7TAG009010R0011	UV Resistant Black									
TY234MX-RW** 7TAG009050R0005	UV Resistant Black	0.06 (1.5)	4.02 (102)	14.0 (357)	0.09 (2.3)	0.15 (3.9)	0.19 (4.7)	0.04 (1.0)	221 (105)	-22 (-30)

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