

TECHNICAL DATA SHEET - INTERACTIVE PDF

# Cable Tie, miniature, 18 lbs (80N)

## TY23, TY2315, TY232 and TY234 series ties



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

#### 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 (MS90387-1)
  - Setting 1-3

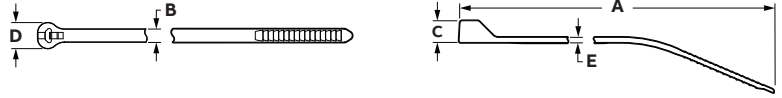
#### Conforms to:

- UL 62275
- CAN/CSA C22.2 No. 62275
- EN IEC 62275
- NMX-J-623-ANCE
- EN 45545-2 (for -RW ties only)
- SAE AS23190 (see "Mil Spec" column in chart)

#### Materials:

- Body - Nylon 6,6

**Cable ties, miniature**  
TY23 series



**Product selection**

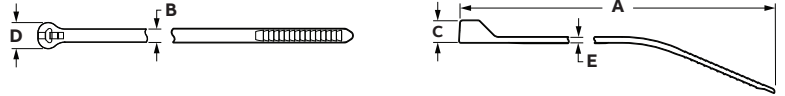
Part no.	Color	Mil Spec	Min. bundle diameter inch (mm)	Max. bundle diameter inch (mm)	A inch (mm) ±0.25 (6)	B inch (mm) ±0.03 (0.8)	C inch (mm) ±0.04 (1)	D inch (mm) ±0.06 (1.5)	E inch (mm) ±0.015 (0.4)	Max. Operating Temp. °F (°C)	Min. Installation Temp. °F (°C)
TY23M 7TAG009040R0009	Natural	—	0.06 (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	—									
TY23M-0 7TAG009060R0012	Black	—									
TY523MR-0 7TCG009450R0167	Black	—									
TY23M-1 7TAG009070R0095	Brown	MS3367-4-1									
TY23M-2 7TAG009070R0096	Red	MS3367-4-2									
TY523M-2 7TAG009070R0104	Red	MS3367-4-2									
TY23M-3 7TAG009070R0097	Orange	MS3367-4-3									
TY523M-3 7TAG009070R0105	Orange	MS3367-4-3									
TY23M-4 7TAG009070R0098	Yellow	MS3367-4-4									
TY23M-5 7TAG009070R0099	Green	MS3367-4-5									
TY23M-6 7TAG009070R0100	Blue	MS3367-4-6									
TY523MR-6 7TCG009010R0013	Blue	—									
TY23M-7 7TAG009070R0101	Purple	MS3367-4-7									
TY23M-8 7TAG009070R0102	Gray	MS3367-4-8									
TY523MR-8 7TCG009010R0014	Gray	—									
TY23M-9* 7TAG009070R0103	Natural	MS3367-4-9									
TY523M-9* 7TAG009010R0037	Natural	MS3367-4-9									
TY23M-10 7TAG009070R0121	White	MS3367-4-10									
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* 7TAG009040R0021	UV Resistant Black	MS3367-4-0	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)
TY523MX-0* 7TAG009010R0036	UV Resistant Black	MS3367-4-0									
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)

**Cable ties, miniature**  
TY2315 series



**Product selection**

Part no.	Color	Mil Spec	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	—									
TYB2315M-1 7TAG009070R0106	Brown	—									
TYB2315M-2 7TAG009070R0107	Red	—									
TYB2315M3 7TAG009070R0111	Orange	—									
TYB2315M-4 7TAG009070R0108	Yellow	—									
TYB2315M-5 7TAG009070R0109	Green	—									
TYB2315M-6 7TAG009000R0323	Blue	—									
TYB2315M-8 7TAG009070R0110	Gray	—									
TYB2315M-9 7TAG009000R0324	White	—									
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	—									

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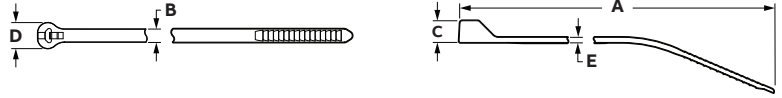
\*\* Railway ties: Certified to EN 45545-2: HL2 (no other marks besides CE and Railway apply)

**Cable ties, miniature**

TY232 series (continued on next page)

**Product selection**

Part no.	Color	Mil Spec	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	—									
TY232M-9 7TAG009070R0091	White	—									
TYB232M 7TCG009020R0054	Natural	—									



Product selection

Part no.	Color	Mil Spec	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)
TY232MX	UV Resistant	—	0.06	2.01	8.0	0.09	0.15	0.19	0.04	221	-22
7TAG009040R0007	Black	—	(1.5)	(51)	(202)	(2.3)	(3.9)	(4.7)	(1.0)	(105)	(-30)
TY5232MX	UV Resistant	—									
7TAG009010R0010	Black	—									
TY5232MXR	UV Resistant	—									
7TCG009030R0082	Black	—									
TYB232MX	UV Resistant	—									
7TCG009020R0055	Black	—									
TY232MX-RW**	UV Resistant	—	0.06	2.01	8.0	0.09	0.15	0.19	0.04	221	-22
7TCG009040R0014	Black	—	(1.5)	(51)	(202)	(2.3)	(3.9)	(4.7)	(1.0)	105	(-30)

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

TY234 series

Product selection

Part no.	Color	Mil Spec	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	Natural	—	0.06	4.02	14.0	0.09	0.15	0.19	0.04	185	-4
7TAG009050R0000		—	(1.5)	(102)	(357)	(2.3)	(3.9)	(4.7)	(1.0)	(85)	(-20)
TY5234M	Natural	—									
7TAG009020R0052		—									
TY234M-2	Red	—									
7TAG009070R0092		—									
TY234M-4	Yellow	—									
7TAG009070R0093		—									
TY234M-6	Blue	—									
7TAG009000R0210		—									
TY234M-7	Purple	—									
7TAG009070R0094		—									
TY234M-9	White	—									
7TAG009000R0211		—									
TY234MX	UV Resistant	—	0.06	4.02	14.0	0.09	0.15	0.19	0.04	221	-22
7TAG009050R0001	Black	—	(1.5)	(102)	(357)	(2.3)	(3.9)	(4.7)	(1.0)	(105)	(-30)
TY5234MX	UV Resistant	—									
7TAG009010R0011	Black	—									
TY234MX-RW**	UV Resistant	—	0.06	4.02	14.0	0.09	0.15	0.19	0.04	221	-22
7TAG009050R0005	Black	—	(1.5)	(102)	(357)	(2.3)	(3.9)	(4.7)	(1.0)	(105)	(-30)

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