

TECHNICAL DATA SHEET - INTERACTIVE PDF

Cable Tie, heavy duty

TY271, TY272, TY27, TY275, TY277, TY29 series
120 lbs (534 N) 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

Features:

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

Recommended Installation Tool:

- ERG50 / WT199 (MS90387-1)
 - Setting 6-8

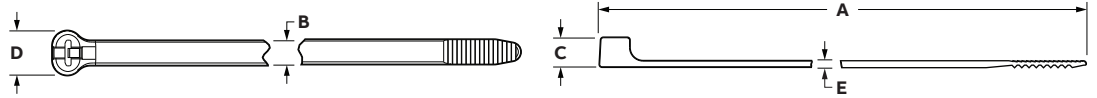
Conforms to:

- UL 62275
- CAN/CSA C22.2 No. 62275
- EN IEC 62275
- NMX-J-623-ANCE
- EN 45545-2 (for-W ties only)

Materials/Finishes:

- Body - Nylon 6,6

Cable ties:
TY271 series



Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A	B	C	D	E	Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)			
TY271M 7TCG009450R0162	Natural	0.19 (4.8)	0.98 (25)	54 (240)	5.9 (150)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	185 (85)	-20 (-4)
TY5271MR 7TCG009450R0180	Natural											
TY271MX 7TCG009450R0163	Black	0.19 (4.8)	0.98 (25)	120 (540)	5.9 (150)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	221 (105)	-40 (-40)
TY5271MXR 7TCG009450R0181	UV Black											
TY271MX-RW 7TCG009450R0226	UV Black											
TY5271MXR-RW 7TCG009450R0227	UV Black											

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

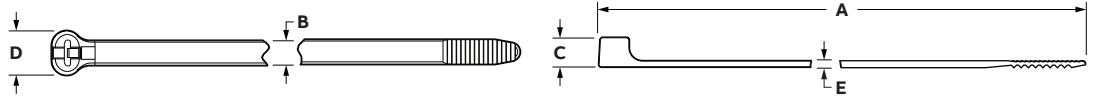
Cable ties:
TY272 series

Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A	B	C	D	E	Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)			
TY272M 7TAG009340R0002	Natural	0.24 (6.0)	2.01 (51)	120 (540)	8.8 (224)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	185 (85)	-4 (-20)
TY5272MR 7TCG009460R0102	Natural											
TY5272M 7TAG009300R0015	Natural											
TY272M-1 7TAG009000R0239	Brown											
TY272M-2 7TAG009370R0001	Red											
TY272M-3 7TAG009370R0003	Orange											
TY272M-4 7TAG009370R0004	Yellow											
TY272M-5 7TAG009370R0005	Green											
TY272M-6 7TAG009370R0007	Blue											
TY272M-7 7TAG009370R0009	Purple											
TY272M-9 7TAG009370R0011	White											
TY272MX 7TAG009330R0007	UV Black	0.19 (4.8)	2.01 (51)	120 (540)	8.8 (224)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	221 (105)	-22 (-30)
TY5272MX 7TAG009290R0003	UV Black											
TY5272MXR 7TCG009460R0103	UV Black											
TY5272MXR-RW 7TCG009330R0016	Railway UV Black	0.19 (4.8)	2.01 (51)	120 (540)	8.8 (224)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	185 (105)	-40 (-40)
TY272MX-RW 7TAG009330R0008	Railway UV Black											

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

Cable ties:
TY27 series

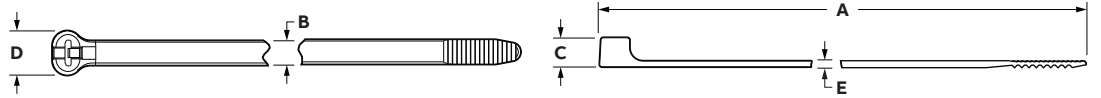


Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A	B	C	D	E	Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)			
TY27M 7TAG009320R0003	Natural	0.24 (6.0)	4.02 (102)	120 (540)	13.5 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	185 (85)	-4 (-20)
TY527M 7TAG009280R0001	Natural											
TY27M-50 7TAG009310R0015	Natural											
TY527MR 7TCG009310R0017	Natural											
TY27M-1 7TAG009370R0022	Brown											
TY27M-2 7TAG009370R0023	Red											
TY27M-3 7TAG009370R0024	Orange											
TY27M-4 7TAG009370R0025	Yellow											
TY27M-5 7TAG009370R0026	Green											
TY27M-6 7TAG009370R0027	Blue											
TY27M-7 7TAG009370R0028	Purple											
TY27M-8 7TAG009370R0029	Gray											
TY27M-9 7TAG009370R0030 MS3367-3-9	Military Natural											
TY27M-10 7TAG009370R0045	White											
TY27MX-0 7TAG009320R0009 MS3367-3-0	Military UV Black	1.5 (0.06)	4.02 (102)	120 (540)	13.5 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	185 (85)	32 (0)
TY27MX 7TAG009320R0004	UV Black	0.19 (4.8)	4.02 (102)	120 (540)	13.5 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	185 (85)	-22 (-30)
TY527MX 7TAG009280R0002	UV Black											
TY27MX-50 7TAG009300R0014	UV Black											
TY27MX-RW 7TAG009320R0006	Railway UV Black	0.19 (4.8)	4.02 (102)	120 (540)	13.5 (343)	0.27 (6.9)	0.32 (8.1)	0.48 (12.2)	0.06 (1.5)	-76 (-60)	105 (221)	-40 (-40)
TY527MXR-RW 7TCG009320R0007	Railway UV Black											

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

Cable ties:
TY275 series



Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A	B	C	D	E	Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)			
TY275M 7TAG009330R0009	Natural	0.24 (6.0)	5.0 (127)	120 (540)	18.0 (457)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	185 (85)	-4 (-20)
TY5275M 7TAG009290R0004	Natural											
TY275M-1 7TAG009000R0241	Brown											
TY275M2 7TAG009370R0014	Red											
TY275M3 7TAG009370R0015	Orange											
TY275M-4 7TAG009370R0012	Yellow											
TY275M-5 7TAG009370R0013	Green											
TY275M6 7TAG009370R0016	Blue											
TY275M-9 7TAG009000R0242	White											
TY275MX 7TAG009320R0001	UV Black	0.24 (6.0)	5.0 (127)	120 (540)	18.0 (457)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	185 (85)	-40 (-40)
TY5275MX 7TAG009280R0000	UV Black											
TY275MX-RW 7TAG009320R0002	Railway UV Black	0.24 (6.0)	5.0 (127)	120 (540)	18.0 (457)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	221 (105)	-40 (-40)

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

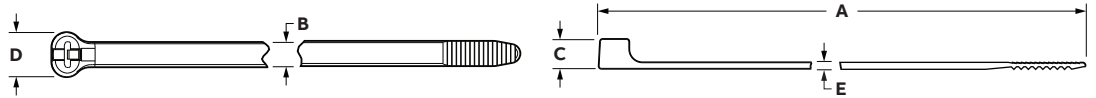
Cable ties:
TY277 series

Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A	B	C	D	E	Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)			
TY277M 7TAG009340R0003	Natural	0.24 (6.0)	6.97 (177)	120 (540)	24.3 (617)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	185 (85)	-4 (-20)
TY5277M 7TAG009290R0005	Natural											
TY277M-1 7TAG009000R0243	Brown											
TY277M-2 7TAG009370R0017	Red											
TY277M-3 7TAG009370R0018	Orange											
TY277M-4 7TAG009370R0019	Yellow											
TY277M-5 7TAG009370R0020	Green											
TY277M-6 7TAG009370R0021	Blue											
TY277M-9 7TAG009180R0005	White											
TY277MX 7TAG009330R0010	UV Black	0.24 (6.0)	6.97 (177)	120 (540)	24.3 (617)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	185 (85)	-40 (-40)
TY5277MX 7TAG009290R0006	UV Black											
TY277MX-RW 7TAG009330R0011	Railway UV Black	0.24 (6.0)	6.97 (177)	120 (540)	24.3 (617)	0.27 (6.9)	0.32 (8.1)	0.51 (13)	0.06 (1.5)	-76 (-60)	221 (105)	-40 (-40)

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

Cable ties:
TY29 series



Product selection

Part no. standard GID no.	Color	Min. Bundle diameter inch (mm)	Max. Bundle diameter inch (mm)	Tensile strength lbs. (N)	A		B		C		D		E		Minimum Operating Temp. °F (°C)	Maximum Operating Temp. °F (°C)	Minimum Installation Temp. °F (°C)
					inch (mm)	±0.20 (5.0)	inch (mm)	±0.010 (0.25)	inch (mm)	±0.020 (0.51)	inch (mm)	±0.060 (1.5)	inch (mm)	±0.010 (0.25)			
TY29M 7TAG009330R0012	Natural	0.24 (6.0)	9.02 (229)	120 (540)	30.3 (770)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	185 (85)	-4 (-20)					
TY529M 7TAG009280R0003	Natural																
TY29M50 7TAG009000R0249	Natural																
TY29M-1 7TCG009370R0031	Brown																
TY29M-2 7TAG009370R0032	Red																
TY29M-3 7TAG009370R0033	Orange																
TY529M-3 7TAG009370R0041	Orange																
TY29M-4 7TAG009370R0034	Yellow																
TY29M-5 7TCG009370R0035	Green																
TY29M-6 7TCG009370R0036	Blue																
TY29M-7 7TAG009370R0037	Purple																
TY29M-8 7TCG009370R0038	Gray																
TY29M-9 7TCG009370R0039 MS3367-6-9	Military Natural																
TY529M-9 7TAG009280R0009 MS-3367-6-9	Military Natural																
TY29M-10 7TAG009370R0044	White																
TY29MX 7TAG009330R0014	UV Black	0.19 (4.8)	9.02 (229)	120 (540)	30.3 (770)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	185 (85)	-22 (-30)					
TY29MX50 7TAG009310R0016	UV Black																
TY529MX 7TAG009280R0004	UV Black																
TY29MX-0 7TAG009320R0008 MS3367-6-0	Military UV Black	0.19 (4.8)	9.02 (229)	120 (540)	30.3 (770)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	185 (85)	32 (0)					
TY529MX-0 7TAG009280R0007	Military UV Black																
TY29MX-RW 7TCG009320R0007	Railway UV Black	0.19 (4.8)	9.02 (229)	120 (540)	30.3 (770)	0.27 (6.9)	0.32 (8.1)	0.50 (12.7)	0.06 (1.5)	-76 (-60)	221 (105)	-40 (-40)					

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