

# Military Specification

Avery Dennison™ Cable Tie Products meet the related military specifications where applicable.

The three components of this specification are:

- (1) Design (MS-3367-X-Y).** This specification covers design and details minimum and maximum measurements (ex: length, width, thickness, head height), minimum loop tensile strength, material, and colors. So when your customer specifies an MS-3367-4-9, they are requesting a natural 4" miniature cable tie with an 18lb. tensile strength (Stock Item No. o8432).
- (2) Material ASTM-D4066.** This specification requires that cable ties be made of Nylon Type 6/6 resin and conforms to certain physical characteristics.  
Type 1 – Natural Nylon Type 2 – Weather Resistant
- (3) Performance MIL-S-23190.** This specification details test procedures and acceptance criteria. This requires that ties meet a minimum loop tensile strength under adverse conditions such as temperature fluctuations, vibration, and chemical immersion. It also requires a melting point test to determine if the proper material is being used.

**Note:** If a customer asks for a part which meets a specification other than MS3367 (for conventional ties) or MS3368 (for specialty ties), then it is likely that they are looking for something other than cable ties.

**THE MILITARY SPECIFICATION PART NUMBERING SYSTEM IS AS FOLLOWS:**

MS 3367-X-Y

"X" COMPONENT					"Y" COMPONENT	
#	BUNDLE DIAMETER		STRENGTH	TENSILE CLASSIFICATION	#	COLOR
	MIN	MAX				
-1	1/16"	1-3/4"	50lbs	Standard	-0	Black Weather Resistant
-2	1/16"	4"	50lbs	Standard	-1	Brown
-3	3/16"	3-1/2"	120lbs	Heavy Duty	-2	Red
-4	1/16"	5/8"	18lbs	Miniature	-3	Orange
-5	1/16"	1-1/4"	30lbs	Intermediate	-4	Yellow
-6	3/16"	8"	120lbs	Heavy Duty	-5	Green
-7	1/16"	3"	50lbs	Standard	-6	Blue
					-7	Purple
					-8	Gray
					-9	Natural

THE CABLE TIE MARKET generally uses two standards: Military Specifications and Underwriters Laboratory (UL).

# Underwriters Laboratory

This certification means that our parts meet certain performance characteristics within a specified temperature range as well as meeting UL94 V-2 flammability tests. UL94 V-2 means that when ignited, the nylon will extinguish itself when the flame is removed.



If a customer requires proof that a specific part adheres to these standards, we can provide the proper documentation. For UL and military specifications by part number, see our catalog.

MILITARY SPECIFICATION	DESCRIPTION	PART NUMBER
MS-3367-1-0	7.5"/190.5mm BLACK WEATHER RESISTANT	08388, 08437
	7.5"/190.5mm BLACK HEAT STABILIZED (SUPER BAR-LOK®)	10003, 10005
MS-3367-1-9	7.5"/190.5mm NATURAL	08387, 08436
	7.5"/190.5mm NATURAL (SUPER BAR-LOK®)	10001, 10004
MS-3367-2-0	15"/381mm BLACK WEATHER RESISTANT	10037, 08428
	15"/381mm BLACK HEAT STABILIZED (SUPER BAR-LOK®)	10008, 10345
MS-3367-2-9	15"/381mm NATURAL	10036, 08427
	15"/381mm NATURAL (SUPER BAR-LOK®)	10006, 10344
MS-3367-3-0	14.5"/368.3mm BLACK WEATHER RESISTANT	10039, 08382
	21"/533.4mm BLACK WEATHER RESISTANT	10608
	24"/609.6mm BLACK WEATHER RESISTANT	10614
MS-3367-3-9	14.5"/368.3mm NATURAL	10038, 08378
	21"/533.4mm NATURAL	10606
	24"/609.6mm NATURAL	10612
MS-3367-4-0	4"/101.6mm BLACK WEATHER RESISTANT	08433, 08435
	8"/203.2mm BLACK WEATHER RESISTANT SLIM LINE	10327, 10330
	6"/152.4mm BLACK WEATHER RESISTANT SLIM LINE	10393, 10396
MS-3367-4-2	4"/101.6mm RED	08508
MS-3367-4-3	4"/101.6mm ORANGE	08582
MS-3367-4-4	4"/101.6mm YELLOW	08583
MS-3367-4-5	4"/101.6mm GREEN	08584
MS-3367-4-6	4"/101.6mm BLUE	08587
MS-3367-4-9	4"/101.6mm NATURAL	08432, 08434
	8"/203.2mm NATURAL SLIM LINE	10325, 10328
	6"/152.4mm NATURAL SLIM LINE	10391, 10394
MS-3367-5-0	5.5"/139.7mm BLACK WEATHER RESISTANT	08431, 08384
	8"/203.2mm BLACK WEATHER RESISTANT	08380, 08386
MS-3367-5-2	8"/203.2mm RED	08690
MS-3367-5-4	8"/203.2mm YELLOW	08782
MS-3367-5-5	8"/203.2mm GREEN	08664
MS-3367-5-6	8"/203.2mm BLUE	08671
MS-3367-5-9	5.5"/139.7mm NATURAL	08376, 08383
	8"/203.2mm NATURAL	08377, 08385
	11.5"/292.1mm NATURAL SLIM LINE	10985
MS-3367-6-0	28"/711.2mm BLACK WEATHER RESISTANT	10620
MS-3367-6-9	28"/711.2mm NATURAL	10618
MS-3367-7-0	11"/279.4mm BLACK WEATHER RESISTANT	08286, 08930
MS-3367-7-9	11"/279.4mm NATURAL	08600, 08859
MS-3368-1-9A	7.5"/190.5mm NATURAL ID	08413, 08419
MS-3368-5-9E	4"/101.6mm NATURAL ID	08412, 08417