# **CABLE TIE PART NUMBER SYSTEM**

The following chart is meant to help you understand HellermannTyton's cable tie part numbering system. **Not every cable tie type is available in every listed option.** See cable tie part number charts or contact HellermannTyton for more information.

#### Example: T50L0C2

 Туре	50 Min. Tensile Strength (lbs.)	L Length	Special Features	0 Color	 Material	C Packaging (per pkg.)	2 Bag Type
$\begin{array}{llllllllllllllllllllllllllllllllllll$	40 50 60 120 150	S = Short R I L LL XL XLL = Longest	SF = Push Mount Head DH = Double Head FL = Flag I.D. RD = Double Head I.D. RT = Triple Head I.D. SM = Stud Mount PS = Positive Stop MR MI = Screw Mount Head ML	see below	see below	P = 10  S = 20  X = 25  K = 50  C = 100  L = 200  F = 250  H = 500  M = 1000	2 or 4 = HellermannTyton labeled bag

# **CABLE TIE COLORS**

### **Color Coding Standard**

HellermannTyton complies with the Electronic Industries Association color coding standard which defines colors used in identification of electronic components and equipment and establishes a standard color-number relationship. The following is the color-number suffix for HellermannTyton part numbers and military standard part numbers.

Color/Ma	terial Coding		
Material	Color	Part No. Suffix	Mil. Spec. MS3367 MS3368 ASTM4066
Nylon	Natural	9	9
	Black*	0*	-
	Brown	1	1
	Red	2	2
	Orange	3	3
	Yellow	4	4
	Green	5	5
	Blue	6	6
	Violet Purple	7	7
	Slate Gray	8	8
	White	10	-
	Telco Gray	11	-
	Heat Stab. Black *	0HS *	-
	Heat Stab. Natural	9HS	-
	Flame Ret. Black	0V0	-
	Flame Ret. Natural	9V0	-
	Black 2% Carbon	0UV*	0

Color/Materia	l Coding	
Material	Color	Part No. Suffix
Nylon	High Impact Black	OHIR
	Nylon 4/6 Brown	1STNL
	Nylon 4/6 Black	OSTNL
	Nylon 12 Black	0N12
Polypropylene	Black	OPP*
	Natural	9PP
Tefzel	Blue	6TZ
Halar	Natural	9HAL
	Red	2HAL

Availability of some colors is based on volume requirements. Fluorescent and other colors may also be available. All colored ties are subject to minimums, custom terms, and lead times. Contact HellermannTyton for more information. \*Ultraviolet stabilized for outdoor applications.

U.S. Patent Numbers 3,127,648 - 3,486,201

# **CABLE TIES**

HellermannTyton offers many options of cable ties. Whether the application demands mounting, extra strength, releasable, identification features, or more, HellermannTyton has the cable tie to fit the requirement.

# **Standard Cable Ties**

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Standard Ties							
Part Number	Gov. Designation	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools
T18S9C2* T18S9M4*	MS3367-4	18	5/8" (15.9)	3-3/8" (85.7)	.08" (2.0)	100 1000	TWT1, MK3P, MK7, MK7P
T18R9C2* T18R9M4*	MS3367-4	18	3/4" (19.0)	4" (101.6)	.10" (2.5)	100 1000	
T18I9C2** T18I9M4**	MS3367-4	18	1-1/4" (31.8)	5-2/3" (143.9)	.10" (2.5)	100 1000	
T18L9C2** T18L9M4**	MS3367-4	18	2″ (50.8)	8″ (203.2)	.10″ (2.5)	100 1000	
T30R9C2* T30R9M4*	MS3367-5	30	1-1/4" (31.8)	6" (152.4)	.14" (3.6)	100 1000	
T30M9C2 T30M9M4		30	2″ (50.8)	8" (203.2)	.14" (3.6)	100 1000	TWT1, MK3P, MK7,
T30I9C2 T30I9M4		30	3″ (76.2)	11-1/2" (290)	.15″ (3.5)	100 1000	МК7Р, МК9, МК9Р
T30L9C2 T30L9M4		30	4″ (101.6)	14-1/4" (362)	.14" (3.6)	100 1000	
T40R9C2* T40R9M4*		40	2″ (50.8)	8-1/2" (215.9)	.15" (3.8)	100 1000	
T40I9C2* T40I9M4*		40	3″ (76.2)	11-1/2" (292.1)	.15″ (3.8)	100 1000	
T40L9C2* T40L9M4*		40	4″ (101.6)	14-1/2" (368.3)	.15″ (3.8)	100 1000	
T50S9C2 T50S9M4		50	1-1/4" (31.8)	6-1/2" (165.1)	.18" (4.6)	100 1000	
T50R9C2* T50R9M4*	MS3367-1	50	1-3/4" (44.5)	8″ (203.2)	.18" (4.6)	100 100	TWT1, MK3P, MK6PN, MK7,
T50I9C2* T50I9M4*	MS3367-7	50	3" (76.2)	11-3/4" (298.5)	.18" (4.6)	100 100	МК7Р, МК9, МК9Р
T50L9C2* T50L9M4*	MS3367-2	50	4" (101.6)	15-1/2 <i>"</i> (393.7)	.18″ (4.6)	100 1000	

Ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Example: T50R0C2 is a black T50R cable tie in a 100 pack. Other colors may be available. See color chart on page 4. Colored cable ties may be subject to minimums, custom terms, and lead times. \* AS23190E (formerly MIL-S-23190E) (Type I Class 1) \*\*HellermannTyton QPL23190 listed as exceeding the tensile strength or length and meeting MS3367 (Type I Class 2)

## **Heavy Duty Cable Ties**

Heavy Duty Ties	, and the second se	17 17 0	Standard color: black Standard material: nylon 6/6				
Part Number	Min. Tensile Strength (lbs.)	Maximum Bundle Ø In. (mm)	Length In. (mm)	Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools	
T250S0X2	250	2″ (50.8)	9″ (228.6)	.50" (12.7)	25	MK9, MK9P, T250	
T250R0X2	250	5″ (127.0)	20" (508.0)	.50" (12.7)	25	MK9, MK9P, T250	
T250M0X2	250	6″ (152.4)	23" (584.2)	.50″ (12.7)	25	MK9, MK9P, T250	
T250I0X2	250	8" (203.2)	29" (736.6)	.50″ (12.7)	25	MK9, MK9P, T250	
T250L0X2	250	10″ (254.0)	35" (889.0)	.50″ (12.7)	25	МК9, МК9Р, Т250	
T250XL0X2	250	12" (304.8)	40" (1016.0)	.50″ (12.7)	25	MK9, MK9P, T250	

\*Ties listed above are black. Natural colored cable ties are also available in nearly every size. Insert a "9" instead of "0" in the part number. Other colors may be available. \*\*T250 Series available as releasable ties. When ordering, use HellermannTyton Part No. RT250.

## **Heavy Duty Cable Ties**



**Standard color:** black and natural\* **Standard material:** high impact nylon 6/6

Heavy Duty Lee						
Part Number	Min. Tensile Strength (lbs.)	Maximum Bundle Ø In. (mm)	Length In. (mm)	Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools
T255S0HIRX2	250	2″ (50.8)	8.747" (222.17)	.492" (12.50)	25	MK9, MK9P, T250
T255R0HIRX2	250	5″ (127.0)	20.030" (508.77)	.492" (12.50)	25	MK9, MK9P, T250
T255M0HIRX2	250	6″ (152.4)	22.114" (561.70)	.492" (12.50)	25	MK9, MK9P, T250

\*Ties listed above are black. Natural colored cable ties are also available in nearly every size. Insert a "9" instead of "0" in the part number. Other colors may be available. \*\*T255 Series available as releasable ties. When ordering, use HellermannTyton Part No. RT255.

## **Heavy Duty Releasable Cable Ties**

HellermannTyton offers the SR 255 series, a releasable heavy duty cable tie with a release that is lower than the head of the cable tie, facilitating easy installation with the use of a HellermannTyton cable tie tool.

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**Heavy Duty Ties** Min. Tensile Maximum Bundle Length In. HellermannTyton Installation Tools Strength (lbs.) Ø In. (mm) (mm) Width In. (mm) Pkg. Qty. Part Number SR255X0HIHSUV 250 3.87" 14″ 492″ 25 MK9, MK9P, T250 (372.0) (12.60) (98.4) SR255S0HIHSUV 250 2.16" 8.85" .488″ 25 MK9, MK9P, T250 (225.0) (55.0) (12.40)

\*Ties listed above are black. Natural colored cable ties are also available in nearly every size. Insert a "9" instead of "0" in the part number.

Standard color: black

Standard material: high impact nylon 6/6

# Wide Strap Heavy Duty Cable Ties

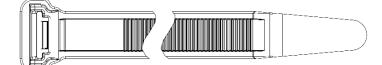
The wide strap cable tie minimizes pinching on soft bundles and features a low profile head to provide compact bundling. A thinner strap provides increased flexibility for improved ergonomics.

#### Standard color: black

**Standard material:** high impact, heat stabilized, UV resistant nylon 6/6

#### **Product Features**

- Wide strap to minimize pinching of soft hoses and convoluted tubing
- Low profile head
- Clamping rails on the bottom of head to increase grip on round bundles
- Wide variation of bundle diameters: .375" 4.125" (9.5mm 104.7mm)
- Available with or without a stud mount



Wide Strap Cable Ties		Tensile		<b>A</b>		Approx.		
Part Number	Description	strength (lbs.)	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width tie In. (mm)	Width Head in. (mm)	Pkg. Qty.	HellermannTyton Installation Tools
111-12300	WSS0IMHSUVH4 Wide Strap Tie	120	2.25" (57.1)	9″ (228.6)	.50″ (12.7)	.78″ (19.8)	500	МК9, МК9Р
111-12301	WSI0IMHSUVH4 Wide Strap Tie	120	3.25" (82.5)	12" (304.8)	.50″ (12.7)	.78″ (19.8)	500	МК9, МК9Р
111-12302	WSROIMHSUVH4 Wide Strap Tie	120	4.125" (104.76)	15″ (381)	.50″ (12.7)	.78″ (19.8)	500	МК9, МК9Р



WIDE STRAP TIES- 1/4" STUD MOUNT		Max Bundle Ø	Approx. Length	Approx. Width tie	Approx. Width Head	
Part Number	Description	In. (mm)	In. (mm)	In. (mm)	In. (mm)	Pkg. Qty.
157-00400	WSS250IMHSUVH4 Wide Strap Tie with 1/4"Mount	2.25" (57.1)	9.7" (246.3)	.50″ (12.7)	.78″ (19.8)	500
157-00401	WSI250IMHSUVH4 Wide Strap Tie with 1/4"Mount	3.25" (82.5)	12.7" (322.5)	.50″ (12.7)	.78″ (19.8)	500
157-00402	WSR250IMHSUVH4 Wide Strap Tie with 1/4"Mount	4.125" (104.76)	15.7" (398.7)	.50″ (12.7)	.78″ (19.8)	500
WIDE STRAP TIES– 3/8" STUD MOUNT		Max Bundle Ø	Approx. Length	Approx. Width tie	Approx. Width Head	
Part Number	Description	In. (mm)	In. (mm)	In. (mm)	In. (mm)	Pkg. Qty.
157-00403	WSS380IMHSUVH4 Wide Strap Tie with 3/8"Mount	2.25" (57.1)	9.7 <i>"</i> (246.3)	.50″ (12.7)	.78″ (19.8)	500
157-00404	WSI380IMHSUVH4 Wide Strap Tie with 3/8"Mount	3.25" (82.5)	12.7" (322.5)	.50" (12.7)	.78″ (19.8)	500
			15.7"	+	.78″	500

# **Heavy Duty Cable Ties**

							Standard colors: natural and Standard material: nylon 6/6		
Heavy Duty Ties Part Number	Gov. Designation	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools		
T120S9K2 T120S9H4		120	2″ (50.8)	8-7/8" (225.4)	.30″ (7.6)	50 500	МК9, МК9Р		
T120I9K2 T120I9H4		120	3″ (76.2)	11-7/8" (301.6)	.30" (7.6)	50 500	МК9, МК9Р		
T120R9K2* T120R9H4*	MS3367-3	120	4" (101.6)	15-1/4" (387.4)	.30" (7.6)	50 500	МК9, МК9Р		
T120L9K2*	MS3367-6	120	8-3/4" (222.3)	29-3/4" (755.7)	.30" (7.6)	50	МК9, МК9Р		
T150R9X2**	MS3367-3	175	4" (101.6)	15" (381.0)	.35″ (8.9)	25	MK9, MK9P, T150, T250		
T150M9X2**	MS3367-3	175	6" (152.4)	21" (533.4)	.35″ (8.9)	25	MK9, MK9P, T150, T250		
T150L9X2**	MS3367-6	175	9″ (228.6)	32" (812.8)	.35″ (8.9)	25	MK9, MK9P, T150, T250		
T150LL9X2		175	11" (279.4)	36" (914.4)	.35″ (8.9)	25	MK9, MK9P, T150, T250		
T150XL9X2		175	13″ (330.2)	43" (1092.2)	.35″ (8.9)	25	MK9, MK9P, T150, T250		
T150XLL9X2		175	16" (405)	52" (1320.8)	.35″ (8.9)	25	MK9, MK9P, T150, T250		

\*Ties listed above are natural. Black c "9" in the part number. Other color HellermannTyton Part No. RT150.

colored cable ties are also available in nearly every size. Insert a "0" instead of	** AS23190E (for
ors may be available. T150 Series available as releasable ties. When ordering, use	*** HellermannTyte
,	strength or len

ormerly MIL-S-23190E) (Type I Class 1) vton QPL23190 listed as exceeding the tensile ength and meeting MS3367 (Type I Class 2)

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### **Releasable Ties**

Perfect for prototype construction and service requiring the addition of wires on existing harnesses.

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#### **RT50S and RT50LL**

Releasable Ties

RT40R

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Part Number	Min. Tensile	Max Bundle Ø	Approx. Length	Approx. Width	Pkg.						
	Strength (lbs.)	In. (mm.)	In. (mm.)	In. (mm.)	Qty.						
RT40R9C2	40	2"	8-1/2"	.16"	100						
RT40R9M4		(50.8)	(215.9)	(4.1)	1000						
RT50S9C2	50	1-3/8"	6-1/2 <i>"</i>	.18"	100						
RT50S9M4		(34.9)	(165.1)	(4.6)	1000						
RT50LL9C2	50	4"	15-1/2"	.18"	100						
RT50LL9M4		(101.6)	(393.7)	(4.6)	1000						

Releasable ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Example: T50R0C2 is a black T50R cable tie in a 100 pack. Other colors may be available. See color chart on page 4. Colored cable ties may be subject to minimums, custom terms, and lead times.

Releasable Ties			1	1	<b>877</b>
Part Number	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.
REL50R9C2	50	1-3/8″	5-1/2"	.291″	100
REL50R9L4	50	(34.9)	(139.7)	(7.39)	200
REL50L9C2	50	2.55″	9.8″	.291″	100
REL50L9L4	50	(64.77)	(248.92)	(7.39)	200

Ties listed above are natural. Black and other colors also available. See color chart on page 4.

## **Pinch Releasable Ties**

Patented pinch release mechanism for easy handling allows tie to be released using one hand.

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#### Pinch Releasable Ties



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Part Number	Material/ Color	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.
REZ200	Nylon 6/6, Black	50	2" (50)	7-7/8" (200)	.19" (4.8)	100
REZ300	ingion o, o, black	50	3-1/8" (80)	11-7/8" (300)	.19" (4.8)	100

### **Screw Mount Ties**

One-piece, all plastic ties for quick, simple cable mounting. Bundling and mounting are done with one unit.

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Screw Mount Ties					U.S. Patent	Numbers 3	,127,648 - 3,486,201
Part Number	Mounting	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	HellermannTyton Installation Tools
T18MR9C2 T18MR9M4	#4 screw	18	3/4" (19.0)	4-1/4" (107.9)	.10" (2.5)	100 1000	TWT1, MK3P, MK7,
T30MR9C2 T30MR9M4	#8 screw	30	1-1/4" (31.7)	6-1/4" (158.7)	.14" (3.6)	100 1000	МК7Р, МК9, МК9Р
T50MR9C2 T50MR9M4	#10 screw	50	1-3/4" (44.4)	8-1/2" (215.9)	.18" (4.6)	100 1000	
T50MRT9C2 T50MRT9M4	#6-32 tap thru screw	50	1-3/4" (44.4)	8-1/2" (215.9)	.18" (4.6)	100 1000	TWT1, MK3P, MK6PN,
T50MI9C2 T50MI9M4	#10 screw	50	3" (76.2)	11-3/4" (298.5)	.18″ (4.6)	100 1000	МК7, МК7Р, МК9, МК9Р
T50ML9C2 T50ML9M4	#10 screw	50	4" (101.6)	16" (406.4)	.18" (4.6)	100 1000	
T120MR9K2 T120MR9H4	#1/4" screw	120	4" (101.6)	16-1/4" (412.7)	.30″ (7.6)	50 500	TWT2, MK6PN, MK9, MK9P

Ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Other colors may be available. See color chart on page 4.

# **Push Mount Ties**

			THINK					<b>P1</b>
Push Mount Ties Part Number	Mounting Hole Ø In. (mm.)	Max Panel Thickness In. (mm.)	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	HellermannTytor Installation Tool
T30RSF9C2 T30RSF9M4	.187" (4.76) min. to .220" (5.56) max.	.093" (2.36)	30	1-1/4" (31.7)	6-1/2" (165.1)	.14″ (3.6)	100 1000	
T50SSF9C2 T50SSF9M4	.250" (6.35) min. to .280" (7.11) max.	.140" (3.56)	50	1-1/3″ (35)	6-1/4" (159)	.18″ (4.6)	100 1000	TWT1, MK3P, MK7, MK7P, MK9
T50RSF9C2 T50RSF9M4	.250" (6.35) min. to .280" (7.11) max.	.140″ (3.56)	50	1-3/4" (44.4)	8-1/2" (215.9)	.18" (4.6)	100 1000	MK9P

Ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Other colors may be available. See color chart on page 4.

#### **Double Head Ties**

Designed to harness two cables simultaneously. The second loop may also serve as a positioning device for a single cable.



#### U.S. Patent Numbers 3,127,648 - 3,486,201

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Min. Tensile Strength (lbs.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	Hellermann Tyton Installation Tools
50 lbs. 1st loop	6-1/4"	.18″	100	
40 lbs. 2nd loop	(159)	(4.6)	1000	
50 lbs. 1st loop	8- 1/4"	.18″	100	TWT1, MK3P,
40 lbs. 2nd loop	(209.5)	(4.6)	1000	
50 lbs. 1st loop	12"	.18″	100	MK6PN, MK7,
40 lbs. 2nd. loop	(304.8)	(4.6)	1000	MK7P, MK9, MK9P
50 lbs. 1st loop	15-1/2"	.18″	100	
40 lbs. 2nd. loop	(393.7)	(4.6)	1000	
	Strength (lbs.)           50 lbs. 1st loop 40 lbs. 2nd loop           50 lbs. 1st loop 40 lbs. 2nd loop           50 lbs. 1st loop 40 lbs. 2nd. loop           50 lbs. 1st loop 40 lbs. 2nd. loop	Strength (lbs.)         Approx. Length In. (mm.)           50 lbs. 1st loop 40 lbs. 2nd loop         6-1/4"           50 lbs. 1st loop 40 lbs. 2nd loop         8- 1/4"           50 lbs. 1st loop 40 lbs. 2nd loop         12"           50 lbs. 1st loop 40 lbs. 2nd loop         12"           50 lbs. 1st loop 50 lbs. 1st loop         12"           50 lbs. 1st loop         12"           50 lbs. 1st loop         12"	Strength (lbs.)         Approx. Length In. (mm.)         Approx. Width In. (mm.)           50 lbs. 1st loop         6-1/4"         .18"           40 lbs. 2nd loop         (159)         (4.6)           50 lbs. 1st loop         8- 1/4"         .18"           40 lbs. 2nd loop         (209.5)         (4.6)           50 lbs. 1st loop         12"         .18"           40 lbs. 2nd loop         (304.8)         (4.6)           50 lbs. 1st loop         15-1/2"         .18"	Strength (lbs.)         Approx. Length In. (mm.)         Approx. Vidth In. (mm.)         Pkg. Qty.           50 lbs. 1st loop 40 lbs. 2nd loop         6-1/4"         .18"         100           50 lbs. 1st loop 40 lbs. 2nd loop         8- 1/4"         .18"         100           50 lbs. 1st loop 40 lbs. 2nd loop         8- 1/4"         .18"         100           50 lbs. 1st loop 40 lbs. 2nd loop         12"         .18"         100           50 lbs. 1st loop 50 lbs. 1st loop         12"         .18"         100           50 lbs. 1st loop 60 lbs. 1st loop         15-1/2"         .18"         100

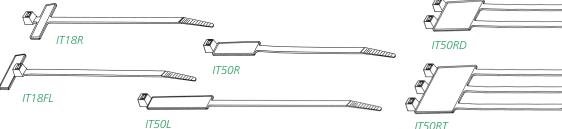
Ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Example: T50R0C2 is a black T50R cable tie in a 100 pack. Other colors may be available. See color chart on page 4. Colored cable ties may be subject to minimums, custom terms, and lead times.

### **Identification Ties**

Identification Tic

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Tie and identify bundles of cable in one operation. Large flat area for imprinting or writing the required information. Hot stamping available, which is subject to minimums and lead times.



IT50RT

Identification lies								
Part Number	Gov. Designation	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Marking Pad Size In. (mm.)	Pkg. Qty.	Hellermann Tyton Installation Tools
IT18R9C2* IT18R9L4*	MS3368-5-E	18	3/4" (19.0)	4″ (101.6)	.10" (2.5)	1" x 19/64" (25.4 x 7.5)	100 200	TWT1, MK3P, MK7,
IT18FL9C2 IT18FL9L4		18	3/4" (19.0)	4-1/4" (107.9)	.10" (2.5)	13/16" x 5/16" (20.5 x 7.9)	100 200	MK7P, MK9, MK9P
IT50R9C2* IT50R9M4*	MS3368-1-A	50	1-3/4" (44.4)	8″ (203.2)	.18" (4.6)	1" x 7/16" (25.4 x 11.1	) 100 1000	TWT1, MK3P,
IT50RD9K2*	MS3368-3-C	50	1-3/4" (44.4)	8″ (203.2)	.18" (4.6)	1-11/16" x 5/16" (29.8 x 23.8	) 50	MK6PN, MK7,
IT50RT9K2*	MS3368-4-D	50	1-3/4" (44.4)	8″ (203.2)	.18" (4.6)	1-13/16" x 15/16" (46.0 x 23.8	) 50	MK7P, MK9, MK9P
IT50L9C2* IT50L9M4*	MS3368-2-A	50	4" (101.6)	15″ (381.1)	.18" (4.6)	1/2" x 2-1/8" (12.7 x 54.0	100	

Ties listed above are natural. Black colored cable ties are also available in nearly every size. Insert a "0" instead of "9" in the part number. Example: T50R0C2 is a black T50R cable tie in a 100 pack. Other colors may be available. See color chart on page 4. Colored cable ties may be subject to minimums, custom terms, and lead times.

\*AS 23190E (formerly Mil-S-23190E) (Type I Class 1)

#### Cable Management Products

### Cable Ties

### Halar<sup>®</sup> Ties

Halar cable ties meet NEC regulations and can be used in applications where low smoke and low flame are a concern, as in air handling spaces. The raw material used to manufacture HellermannTyton halar cable ties is UL 94V-0 rated. These ties come in a distinct color of red for easy identification.



Halar Ties		1					
Part Number	Color	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx Width In. (mm.)	Pkg. Qty.	HellermannTyton Installation Tools
T18R2HALC2 T18R2HALM4	Red	18	7/8" (22.2)	4" (101.6)	.10″ (2.5)	100 1000	TWT1, MK3P, MK7,
T30M2HALC2 T30M2HALM4	Red	30	2 <i>"</i> (50.8)	8″ (203.2)	.14″ (3.6)	100 1000	МК7Р, МК9, МК9Р
T50R2HALC2 T50R2HALM4	Red	50	1-3/4" (44.5)	8″ (203.2)	.18" (4.6)	100 1000	TWT1,MK3P, MK6PN, MK7, MK7P, MK9, MK9P
T120R2HALK2 T120R2HALH4	Red	120	4″ (101.6)	15-1/4 <i>"</i> (387.4)	.18″ (4.6)	50 500	TWT2, MK6PN, MK9, MK9P

Note: Halar ties are also available in natural color. Contact HellermannTyton for availability. Halar is a registered trademark of Ausimont Chemical Co.

## **Tefzel®** Ties

Tefzel ties provide excellent protection against radiation, ultraviolet light, and a wide range of chemicals. It is also rated for low outgassing applications. HellermannTyton's tefzel ties offer temperature stability to 302°F (150°C) and come in a standard color of blue for easy identification.

Tefzel Ties	Color	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx Width In. (mm.)	Pkg. Qty.	HellermannTyton Installation Tools
T18R6TZC2 T18R6TZM4	Blue	18	7/8″ (22.2)	4″ (101.6)	.10" (2.5)	100 1000	
T30M6TZC2 T30M6TZM4	Blue	30	2" (50.8)	8″ (203.2)	.14" (3.6)	100 1000	TWT1, MK3P, MK7, MK7P, MK9, MK9F
T50R6TZC2 T50R6TZM4	Blue	50	1-3/4" (44.5)	8″ (203.2)	.18" (4.6)	100 1000	TWT1, MK3P, MK6PN, MK7,
T120R6TZK2 T120R6TZH4	Blue	120	4" (101.6)	15-1/2" (393.7)	.18" (4.6)	100 1000	МК7Р, МК9, МК9Р

Tefzel is a registered trademark of E.I. DuPont Corporation.