

Cable Ties

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

T	50	L		0		C	2
Type	Min. Tensile Strength (lbs.)	Length	Special Features	Color	Material	Packaging (per pkg.)	Bag Type
T = Standard tie	18	S = Short	SF = Push Mount Head	see below	see below	P = 10	2 or 4 = HellermannTyton labeled bag
RT = Releasable tie	20	R	DH = Double Head			S = 20	
REL = Releasable tie	30	M	FL = Flag I.D.			X = 25	
REZ = Pinch releasable tie	40	I	RD = Double Head I.D.			K = 50	
FB = Ladder style tie	50	L	RT = Triple Head I.D.			C = 100	
IT = Identification tie	60	LL	SM = Stud Mount			L = 200	
BT = Button head tie	120	XL	PS = Positive Stop			F = 250	
CTT = Clamp tie	150	XLL = Longest	MR } Screw Mount Head			H = 500	
PE = Parallel entry tie	175		MI }			M = 1000	
LK = Outside serrated tie	250		ML }				
GT = Grip tie							
MBT = Stainless steel tie							
DCT = Dual clamp tie							

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/Material 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/Material Coding		
Material	Color	Part No. Suffix
Nylon	High Impact Black	0HIR
	Nylon 4/6 Brown	1STNL
	Nylon 4/6 Black	0STNL
	Nylon 12 Black	0N12
Polypropylene	Black	0PP*
	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.

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



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

Standard Ties							HellermannTyton Installation Tools
Part Number	Gov. Designation	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width In. (mm)	Pkg. Qty.	
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	TWT1, MK3P, MK7, MK7P, MK9, MK9P
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	
T30I9C2 T30I9M4		30	3" (76.2)	11-1/2" (290)	.15" (3.5)	100 1000	
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	TWT1, MK3P, MK6PN, MK7, MK7P, MK9, MK9P
T50R9C2* T50R9M4*	MS3367-1	50	1-3/4" (44.5)	8" (203.2)	.18" (4.6)	100 100	
T50I9C2* T50I9M4*	MS3367-7	50	3" (76.2)	11-3/4" (298.5)	.18" (4.6)	100 100	
T50L9C2* T50L9M4*	MS3367-2	50	4" (101.6)	15-1/2" (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)

Cable Ties

Heavy Duty Cable Ties



Standard color: black

Standard material: nylon 6/6

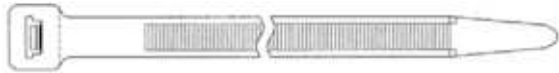


Heavy Duty Ties						
Part Number	Min. Tensile Strength (lbs.)	Maximum Bundle Ø In. (mm)	Length In. (mm)	Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools
T250S0X2	250	2" (50.8)	9" (228.6)	.50" (12.7)	25	MK9, MK9P, T250
T250R0X2	250	5" (127.0)	20" (508.0)	.50" (12.7)	25	MK9, MK9P, T250
T250M0X2	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	MK9, MK9P, T250
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

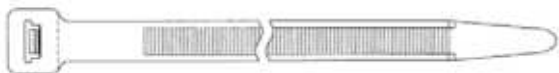
Heavy Duty Ties						
Part Number	Min. Tensile Strength (lbs.)	Maximum Bundle Ø In. (mm)	Length In. (mm)	Width In. (mm)	Pkg. Qty.	HellermannTyton Installation Tools
T255S0HIRX2	250	2" (50.8)	8.747" (222.17)	.492" (12.50)	25	MK9, MK9P, T250
T255R0HIRX2	250	5" (127.0)	20.030" (508.77)	.492" (12.50)	25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



Standard color: black

Standard material: high impact nylon 6/6

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

Wide Strap Heavy Duty Cable Ties

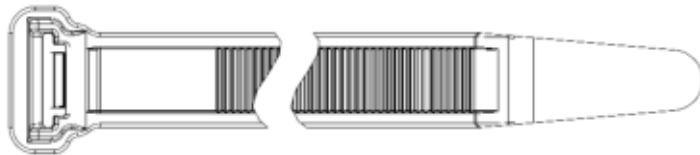
The wide strap cable tie minimizes pinching on soft bundles and features a low profile head to provide compact bundling. A thinner strap provides increased flexibility for improved ergonomics.

Standard color: black

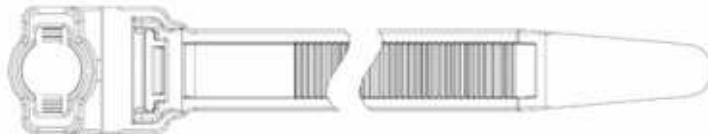
Standard material: high impact, heat stabilized, UV resistant nylon 6/6

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								
Part Number	Description	Tensile strength (lbs.)	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width tie In. (mm)	Approx. 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	MK9, MK9P
111-12301	WSI0IMHSUVH4 Wide Strap Tie	120	3.25" (82.5)	12" (304.8)	.50" (12.7)	.78" (19.8)	500	MK9, MK9P
111-12302	WSROIMHSUVH4 Wide Strap Tie	120	4.125" (104.76)	15" (381)	.50" (12.7)	.78" (19.8)	500	MK9, MK9P



WIDE STRAP TIES-1/4" STUD MOUNT						
Part Number	Description	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width tie In. (mm)	Approx. Width Head 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						
Part Number	Description	Max Bundle Ø In. (mm)	Approx. Length In. (mm)	Approx. Width tie In. (mm)	Approx. Width Head In. (mm)	Pkg. Qty.
157-00403	WSS380IMHSUVH4 Wide Strap Tie with 3/8" Mount	2.25" (57.1)	9.7" (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
157-00405	WSR380IMHSUVH4 Wide Strap Tie with 3/8" Mount	4.125" (104.76)	15.7" (398.7)	.50" (12.7)	.78" (19.8)	500

Cable Ties

Heavy Duty Cable Ties



Standard colors: natural and black*

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	MK9, MK9P
T120I9K2 T120I9H4		120	3" (76.2)	11-7/8" (301.6)	.30" (7.6)	50 500	MK9, MK9P
T120R9K2* T120R9H4*	MS3367-3	120	4" (101.6)	15-1/4" (387.4)	.30" (7.6)	50 500	MK9, MK9P
T120L9K2*	MS3367-6	120	8-3/4" (222.3)	29-3/4" (755.7)	.30" (7.6)	50	MK9, MK9P
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 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. T150 Series available as releasable ties. When ordering, use HellermannTyton Part No. RT150.

** 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)

Releasable Ties

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



RT40R



RT50S and RT50LL

Releasable Ties					
Part Number	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.
RT40R9C2 RT40R9M4	40	2" (50.8)	8-1/2" (215.9)	.16" (4.1)	100 1000
RT50S9C2 RT50S9M4	50	1-3/8" (34.9)	6-1/2" (165.1)	.18" (4.6)	100 1000
RT50LL9C2 RT50LL9M4	50	4" (101.6)	15-1/2" (393.7)	.18" (4.6)	100 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: T50ROC2 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.

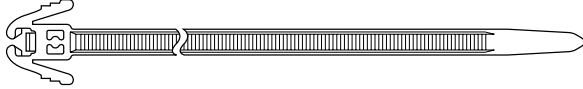


Releasable Ties					
Part Number	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.
REL50R9C2 REL50R9L4	50	1-3/8" (34.9)	5-1/2" (139.7)	.291" (7.39)	100 200
REL50L9C2 REL50L9L4	50	2.55" (64.77)	9.8" (248.92)	.291" (7.39)	100 200

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.



Pinch Releasable Ties

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		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.



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

Screw Mount Ties

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, MK7P, MK9, MK9P
T30MR9C2 T30MR9M4	#8 screw	30	1-1/4" (31.7)	6-1/4" (158.7)	.14" (3.6)	100 1000	
T50MR9C2 T50MR9M4	#10 screw	50	1-3/4" (44.4)	8-1/2" (215.9)	.18" (4.6)	100 1000	TWT1, MK3P, MK6PN, MK7, MK7P, MK9, MK9P
T50MRT9C2 T50MRT9M4	#6-32 tap thru screw	50	1-3/4" (44.4)	8-1/2" (215.9)	.18" (4.6)	100 1000	
T50MI9C2 T50MI9M4	#10 screw	50	3" (76.2)	11-3/4" (298.5)	.18" (4.6)	100 1000	
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



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.	HellermannTyton Installation Tools
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	TWT1, MK3P, MK7, MK7P, MK9, MK9P
T50SF9C2 T50SF9M4	.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	
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	

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.

Cable Ties

Double Head Ties

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



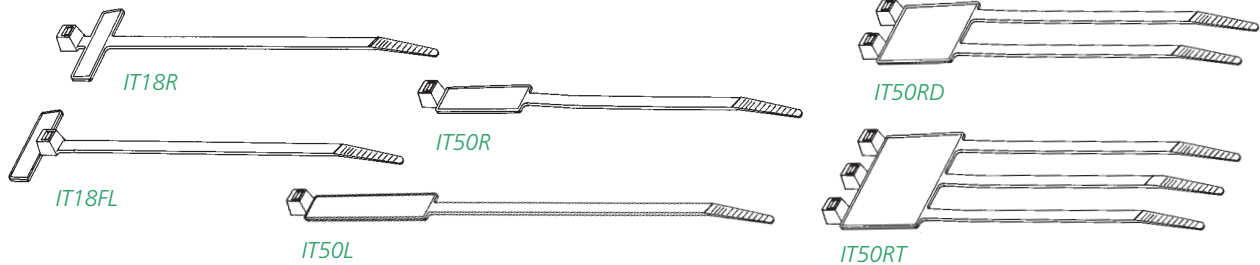
U.S. Patent Numbers 3,127,648 - 3,486,201

Double Head Ties					
Part Number	Min. Tensile Strength (lbs.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	Hellermann Tyton Installation Tools
T50SDH9C2 T50SDH9M4	50 lbs. 1st loop 40 lbs. 2nd loop	6-1/4" (159)	.18" (4.6)	100 1000	TWT1, MK3P, MK6PN, MK7, MK7P, MK9, MK9P
T50RDH9C2 T50RDH9M4	50 lbs. 1st loop 40 lbs. 2nd loop	8- 1/4" (209.5)	.18" (4.6)	100 1000	
T50IDH9C2 T50IDH9M4	50 lbs. 1st loop 40 lbs. 2nd. loop	12" (304.8)	.18" (4.6)	100 1000	
T50LDH9C2 T50LDH9M4	50 lbs. 1st loop 40 lbs. 2nd. loop	15-1/2" (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.

Identification Ties

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.



Identification Ties								
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, MK6PN, MK7, MK7P, MK9, MK9P
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	
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	
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 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.

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

Halar® 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							
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, MK7P, MK9, MK9P
T30M2HALC2 T30M2HALM4	Red	30	2" (50.8)	8" (203.2)	.14" (3.6)	100 1000	
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" (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							
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
T18R6TZC2 T18R6TZM4	Blue	18	7/8" (22.2)	4" (101.6)	.10" (2.5)	100 1000	TWT1, MK3P, MK7, MK7P, MK9, MK9P
T30M6TZC2 T30M6TZM4	Blue	30	2" (50.8)	8" (203.2)	.14" (3.6)	100 1000	
T50R6TZC2 T50R6TZM4	Blue	50	1-3/4" (44.5)	8" (203.2)	.18" (4.6)	100 1000	TWT1, MK3P, MK6PN, MK7, MK7P, MK9, MK9P
T120R6TZK2 T120R6TZH4	Blue	120	4" (101.6)	15-1/2" (393.7)	.18" (4.6)	100 1000	

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

Cable Ties

Clamp Ties

The clamp tie has triangular shaped tabs extending beneath the head, allowing for optimal surface contact and complete circumferential compression to 360 degrees. The clamps are recommended for soft rubber hose applications, as well as for fuel, water, and air vacuum lines. Clamp ties are manufactured in natural and heat stabilized, high impact, black nylon 6/6.



Clamp Ties						
Part Number	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	Hellermann Tyton Installation Tools
CTT20R9C2 CTT20R9M4	20	7/8" (22.2)	4" (101.6)	.09" (2.2)	100 1000	TWT1, MK3P, MK7, MK7P, MK9, MK9P
CTT60R9C2 CTT60R9M4	60	1-3/4" (44.4)	8" (203.2)	.18" (4.6)	100 1000	

Ties listed above are natural. Contact HellermannTyton for heat stabilized, high impact, black nylon 6/6 information.

Kabelrap Bundling System

- Very high bundling strength
- Particularly resistant to salt water, oils, greases, and hydraulic fluids
- Material - Weather resistant, nylon 6/6, black
- Special, **required** hand tool shown upper right Part No. 121-00680



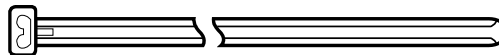
Black is standard color. Natural is available based upon minimums, custom terms, and lead times.



Required Tool –
121-00680



Kabelrap
Application



Kablerap Bundling System

Part Number	Material/ Color	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Approx. Width In. (mm.)	Pkg. Qty.	Required Installation Tool
121-61860	Weather Resistant, Nylon 6/6, Black	110	1-1/2" (39)	7-1/4" (183)	.24" (6.0)	50	121-00680
121-63560		110	3-3/4" (93)	14" (356)	.25" (6.4)	50	
121-82160		175	1-3/4" (47)	8-1/4" (210)	.31" (8.0)	50	
121-83360		175	3-3/8" (86)	13-1/4" (337)	.31" (8.0)	50	

Stainless Steel Ties (304 Material)

Grade 304 material is commonly used for stainless steel bundling applications and suits most general purpose requirements. It features the ability to withstand most environmental conditions, particularly in applications where vibration, general weathering, radiation and temperature extremes are a concern. This tie is designed with a low profile clamping bearing head.

Features

304 Steel:

Self locking, ball bearing mechanism:

Fully enclosed head:

High tensile strength option:

Benefits

Suits most general purpose applications and withstands most environmental conditions.

Quick and easy installation, either by hand or by tensioning tool

Does not allow dirt or grit to interfere with locking mechanism

Added strength and safety on heavy duty applications



Stainless Steel Ties 304 Material

Part Number	Material	Min. Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Head Width In. (mm.)	Strap Width In. (mm.)	Pkg. Qty.	HellermannTyton Installation Tool
MBT5S-S	304 Steel	150	1" (25.4)	5.0" (127)	.26" (6.5)	.18" (4.6)	100	MK9PSST
MBT8S-S	304 Steel	150	2" (50.8)	7.9" (201)	.26" (6.5)	.18" (4.6)	100	MK9SST
MBT14S-S	304 Steel	150	4" (102)	14.3" (363)	.26" (6.5)	.18" (4.6)	100	MK9SST
MBT20S-S	304 Steel	150	6" (152)	20.5" (521)	.26" (6.5)	.18" (4.6)	100	MK9SST
MBT27S-S	304 Steel	150	8" (203)	26.8" (681)	.26" (6.5)	.18" (4.6)	100	MK9SST
MBT33S-S	304 Steel	150	10" (254)	33.0" (838)	.26" (6.5)	.18" (4.6)	100	MK9SST
MBT8H-S	304 Steel	250	2" (50.8)	7.9" (201)	.39" (9.8)	.31" (7.9)	50	MK9SST
MBT14H-S	304 Steel	250	4" (102)	14.3" (362)	.39" (9.8)	.31" (7.9)	50	MK9SST
MBT20H-S	304 Steel	250	6" (152)	20.5" (521)	.39" (9.8)	.31" (7.9)	50	MK9SST
MBT27H-S	304 Steel	250	8" (203)	26.8" (681)	.39" (9.8)	.31" (7.9)	50	MK9SST
MBT33H-S	304 Steel	250	10" (254)	33" (838)	.39" (9.8)	.31" (7.9)	50	MK9SST

HellermannTyton's stainless steel ties and materials should be tested thoroughly under end use conditions to determine suitability for the application.

Cable Ties

Stainless Steel Ties (316 Material)

Grade 316 material is highly resistant to corrosion and widely used in marine environments where chemicals, salts, acids, and temperature extremes may affect the bundling application. The tie is designed with a low profile, enclosed bearing head.

Features

316 Steel:

Self locking, ball bearing mechanism:

Fully enclosed head:

High tensile strength option:

Benefits

Marine grade for more corrosive applications

Quick and easy installation, either by hand or by tensioning tool

Does not allow dirt or grit to interfere with locking mechanism

Added strength and safety on heavy duty applications



Stainless Steel Ties 316 Material

Part Number	Material (lbs.)	Tensile Strength (lbs.)	Max Bundle Ø In. (mm.)	Approx. Length In. (mm.)	Strap Width In. (mm.)	Head Width In. (mm.)	Pkg. Qty.	HellermannTyton Installation Tool
MBT5S	316 Steel	150	1.0" (25.4)	5.0" (127)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT8S	316 Steel	150	2.0" (50.8)	7.9" (201)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT14S	316 Steel	150	4.0" (102)	14.3" (360)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT20S	316 Steel	150	6.0" (152)	20.5" (520)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT27S	316 Steel	150	8.0" (203)	26.8" (679)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT33S	316 Steel	150	10.0" (254)	33.0" (838)	0.18" (4.6)	.26" (6.6)	100	MK9SST
MBT8H	316 Steel	250	2.0" (50.8)	7.9" (201)	0.31" (7.9)	.39" (9.9)	50	MK9SST
MBT14H	316 Steel	250	4.0" (102)	14.3" (360)	0.31" (7.9)	.39" (9.9)	50	MK9SST
MBT20H	316 Steel	250	6.0" (152)	20.5" (520)	0.31" (7.9)	.39" (9.9)	50	MK9SST
MBT27H	316 Steel	250	8.0" (203)	26.8" (679)	0.31" (7.9)	.39" (9.9)	50	MK9SST
MBT33H	316 Steel	250	10.0" (254)	33.0" (838)	0.31" (7.9)	.39" (9.9)	50	MK9SST

MBT Coated Stainless Steel Cable Ties

MBT stainless steel ties in 316 steel material are available with a nylon II protective coating. This coating creates a barrier and protectant from chemical reactions of dissimilar metals. Contact HellermannTyton for availability, minimums, and lead times.