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Available Materials

Nylon 6/6 — General Purpose

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine and iodine when burned. Nylon 6/6 is hydroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Nylon 6/6 — Heat Stabilized

With similar properties and benefits as nylon 6/6, products manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications.

Nylon 6/6 — UV Stabilized

Chemical inhibitors are used to give nylon 6/6 material added properties to fight against premature aging of products due to the effects of ultraviolet rays.

Nylon 6/6 — UV Stabilized (2% Carbon for Military Specification)

The physical properties of this material include carbon, which acts as a UV stabilizer, prolonging the life of the product under ultraviolet conditions. It also allows cable ties to meet the particular military specification for cable ties.

Nylon 6/6 — V0 Flame Retardant

This material meets UL 94V-0 flammability requirements. Flame retardant additives generally reduce tensile strength when compared to general-purpose nylon 6/6, but this resin has been formulated to minimize such effects.

Nylon 6/6 — Metal Detectable

Metal content blended through cable tie. Meets US FDA food contact material compliance. Used to help prevent possible contamination that may result in recalls. Often used in food processing, beverage, pharmaceutical and cosmetic industries.

Nylon 6/6 — High Impact

Impact modifiers are added to increase flexibility. High impact nylon 6/6 has stable tensile strength due to its reduced influence from moisture. It is excellent for high vibration applications, as within the aircraft and automobile industries and performs better than nylon 6/6 against ultraviolet rays. Good for outdoor use.

Polypropylene

Polypropylene is used in environments where chemical effects on nylon are a concern. It is not affected by inorganic acids (hydrochloric), polyhydric alcohols (ethyleneglycol), neutral salts (sodium chloride) and basic salts (sodium bicarbonate). Polypropylene also resists a number of other chemicals with good results, although it has lower tensile strength than nylon 6/6 (about half). Polypropylene has good UV resistance.

Nylon 12 — UV Stabilized

Nylon 12 is resistant to chemicals and salts. Ideal for solar applications. Weather resistant grade, produced by the addition of stabilizers to the nylon resin.

Stainless Steel

Stainless Steel is used where corrosion, vibration, weathering, and temperature extremes are a concern. May be used for virtually any indoor, outdoor, or underground application. Available in both 304 and 316 Stainless Steel. Also available partially or fully coated with polyester.

TEFZEL® Fluoropolymer

TEFZEL® Fluoropolymer ties feature a low smoke density with excellent flammability rating (UL 94V-0) and tolerates extreme high and low temperatures. TEFZEL® comes in an aqua blue color with an operating temperature of Min. -112°F (-80°C), Max. 338°F (170°C). TEFZEL® is a Registered trademark of E. I. du Pont de Nemours and Company.

Material Specifications

Material	Continuous* Operating Temperature Max. Min.	Tensile Strength at 73° F Dry as Molded ASTM D-638 (PSI)	UL Flame Rating	Oxygen Index %	Gamma Radiation Resistance	UV Resistance	Military, Federal, ASTM, and FDA Specifications
Nylon 6/6 — General Purpose (CT)	185° F —40° F 85° C —40° C	12,000	94V-2	28	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0111 FDA CFR177.1500
Nylon 6/6 — Heat Stabilized (CTHS)	220° F —40° F 105° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0121
Nylon 6/6 — UV Stabilized (O)	185° F —40° F 85° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Good	ASTM D4066PA0191
Nylon 6/6 — 2% Carbon UV Stabilized (OO)	220° F —40° F 105° C —40° C	12,000	94V-2	26	1 x 10 ⁵ Rads	Good	ASTM D-4066PA0181 MS3367/8
Nylon 6/6 — Flame Retardant (CTV)	185° F —40° F 85° C —40° C	10,800	94V-0	34	1 x 10 ⁵ Rads	Poor	ASTM D-4066PA0110
Nylon 6/6 — High Impact	185° F —40° F 85° C —40° C	8,800	94-HB	19	1 x 10 ⁵ Rads	Good	ASTM D-4066PA0150
Polypropylene — Chemical Resistant (CTPP)	185° F —40° F 85° C —40° C	3,400	94-HB	N/A	1 x 10 ⁵ Rads	Good	ASTM D-4101PP0320 FDA CFR177.1520
Nylon 12 — UV Stabilized	176° F —40° F 80° C —40° C	5,800	94-HB	N/A	9 x 10 ⁶ Rads	Good	ASTM D-4066PA411

* Elevated temperatures, over time, will affect materials' properties such as tensile strength, stiffness, elongation and appearance.

BURNDY® recommends the evaluation of cable ties in the actual application to determine the suitability of the tie for that application.

Material Performance Guide

Selection	Nylon 6/6 General Purpose	Nylon 6/6 Heat Stab.	Nylon 6/6 UV Stab.	Nylon 6/6 2% Carbon UV Stab.	Nylon 6/6 Flame Ret. V0	Nylon 6/6 High Impact	Poly- propylene	Nylon 12 UV Stab.
Tensile Strength	8	8	8	9	7	8	2	4
High Temp.	2	3	2	2	2	2	2	1
Flammability	5	5	5	5	10	2	2	2
UV Resistance	1	1	5	8	1	2	5	3
Radiation	3	3	3	3	3	3	6	3
Chemical	6	6	6	6	6	6	8	8
— Hydrocarbons	8	8	8	8	8	8	6	8
— Chlorinated	6	6	6	6	6	6	3	8
— Hydrocarbons	2	2	2	2	2	2	8	5
— Acids-Bases	6	6	6	6	6	6	8	6
— Salts	3	3	3	3	3	3	10	8
Relative Cost	Low	Low	Med.	Med.	Med.	Med.	Med.	Med.

1 = Least Recommended 10 = Most Recommended

The following chart is meant to help you understand BURNDY's cable tie catalog numbering system. Not every cable tie is available in every listed option. See below Catalog Numbering System Charts or contact BURNDY® Customer Service for more information.

Gray bars contain catalog number examples.

Type	Tensile	Bundle Dia.	Feature	Package	Color
CT	50	175		C	
CT = Nylon 6/6 Standard	18 = 18 lbs. 30 = 30 lbs. 40 = 40 lbs.	075 = 3/4" 087 = 7/8" 100 = 1"	CPM = Center Push Mount DL = Double Loop EPR = Extended Pawl Releasable	V = 5 X = 10 O = 25	0 = UV Black ¹ 00 = UV Black ² 02 = Red
CTAS = Aerial Support	50 = 50 lbs. 100 = 100 lbs. 110 = 110 lbs.	125 = 1-1/4" 137 = 1-3/8" 150 = 1-1/2"	ID = Single Head ID ID2 = Double Head ID ID3 = Triple Head ID	L = 50 C = 100 B = 250 D = 500 M = 1000	1 = Brown 2 = Red 3 = Orange 4 = Yellow 5 = Green 6 = Blue 7 = Purple 8 = Gray 9 = Neon Green
CTHS = Nylon 6/6 Heat Stabilized	120 = 120 lbs. 175 = 175 lbs. 225 = 225 lbs.	175 = 1-3/4" 200 = 2" 225 = 2-1/4"	FL = ID Flag MH4 = Mounting Hole #4 MH6 = Mounting Hole #6 MH8 = Mounting Hole #8 MH10 = Mounting Hole #10 MH14 = Mounting Hole #14		10 = White 11 = Telco Gray 12 = Pink 20 = Black
CTV = Nylon 6/6 Flame Retardant UL94V-0	250 = 250 lbs. 450 = 450 lbs. 500 = 500 lbs.	250 = 2-1/2" 300 = 3" 325 = 3-1/4"	PM = Push Mount Tie PML = Push Mount Tie w/Louvers PMW = Push Mount Tie w/Wing		
CTPP = Polypropylene	675 = 675 lbs. 700 - 700 lbs. 800 = 800 lbs.	350 = 3-1/2" 400 = 4" 425 = 4-1/4"	R = Releasable Tie LD = Ladder LP = Low Profile Tie PS = Positive Stop SSB = Stainless Steel Barb		
CTSS = Stainless Steel	900 = 900 lbs.	500 = 5" 600 = 6" 700 = 7" 750 = 7-1/2" 800 = 8" 900 = 9" 1000 = 10" 1100 = 11" 1200 = 12" 1300 = 13" 1400 = 14"	FC304 = Fully Coated 304 FC316 = Fully Coated 316 PC304 = Partially Coated 304 PC316 = Partially Coated 316 SSH = Stainless Steel Hook		Blank = Natural

¹Material: Nylon 6/6 — UV Stabilized

²Material: Nylon 6/6 — 2% Carbon UV Stabilized (Mil. Spec.)

Type	Bundle Diameter	Adhesive/Mounting Type	Figure #	Package	Color
CTB	100	RA		C	0
CTB = Cable Tie Base	075 = 3/4"	RA = Rubber Adhesive	#1	L = 50	0 = UV Black
CTBR = Cable Tie Base Rectangular	125 = 1-1/4" 150 = 1-1/2"	AA = Acrylic Adhesive S = Screw Mounted	#2 #3	C = 100 D = 500 M = 1000	Blank = Natural
CTBRWR = Cable Tie Base Weather Resistant					

Military Specification Information on UNIRAP™ Cable Ties

The BURNDY® UNIRAP™ Cable Ties shown below meet the requirements of SAE AS23190A (formerly MIL-S-23190) in accordance with specification MS3367, MS3368, and QPL-23190.

Mil Spec	Distributor Pack Catalog Number	Bulk Pack Catalog Number	Color
MS3367-1-0	CT50175C00	CT50175M00	UV Black ²
MS3367-1-0	CT50175C0	CT50175M0	UV Black ¹
MS3367-1-1	CT50175C1	—	Brown
MS3367-1-2	CT50175C2	CT50175M02	Red
MS3367-1-3	CT50175C3	—	Orange
MS3367-1-4	CT50175C4	—	Yellow
MS3367-1-5	CT50175C5	—	Green
MS3367-1-6	CT50175C6	—	Blue
MS3367-1-7	CT50175C7	—	Purple
MS3367-1-8	CT50175C8	—	Gray
MS3367-1-9	CT50175C	CT50175M	Natural
MS3367-2-0	CT50400C00	CT50400M00	UV Black ²
MS3367-2-0	CT50400C0	CT50400M0	UV Black ¹
MS3367-2-2	CT50400C2	CT50400M02	Red
MS3367-2-3	CT50400C3	—	Orange
MS3367-2-9	CT50400C	CT50400M	Natural
MS3367-3-0	CT120400L00	CT120400D00	UV Black ²
MS3367-3-0	CT120400L0	CT120400D0 CT120400M0	UV Black ¹
MS3367-3-9	CT120400L	CT120400D	Natural
MS3367-4-0	CT18075C00	CT18075M00	UV Black ²
MS3367-4-0	CT18075C0	CT18075M0	UV Black ¹
MS3367-4-9	CT18075C	CT18075M	Natural
MS3367-5-0	CT30125C00	CT30125M00	UV Black ²
MS3367-5-0	CT30125C0	CT30125M0	UV Black ¹
MS3367-5-9	CT30125C	CT30125M	Natural
MS3367-7-0	CT50300C00	CT50300M00	UV Black ²
MS3367-7-0	CT50300C0	CT50300M0	UV Black ¹
MS3367-7-2	CT50300C2	—	Red
MS3367-7-9	CT50300C	CT50300M	Natural
MS3367-10-0	CT175600Q0	—	UV Black ¹
MS3367-10-9	CT175600Q	—	Natural
MS3367-13-0	CT175900Q00	—	UV Black ²
MS3367-13-0	CT1751100Q0	—	UV Black ¹
MS3367-13-9	CT1751100Q	—	Natural

¹Material: Nylon 6/6 UV Stabilized

²Material: Nylon 6/6 2% UV Stabilized - Mil. Spec.

UNIRAP™ Nylon Cable Ties

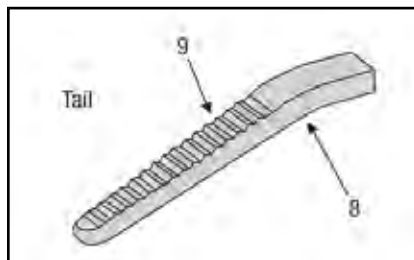
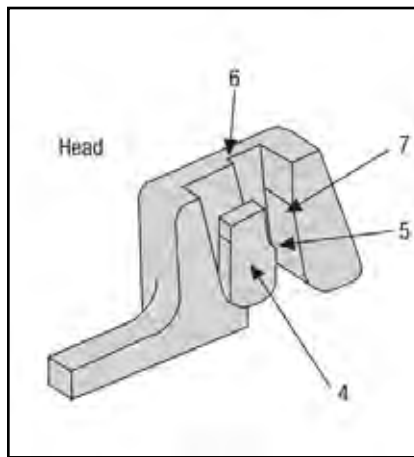
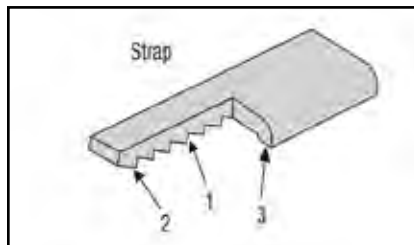
UNIRAP™ cable ties are fabricated of one piece Nylon with no metal parts. The straps are tough, resilient, lightweight and abrasion resistant. They offer high tensile strength and are chemically resistive to solvents, alkalis, oils, grease and diluted acids. Self-locking, they secure without twisting or leaving sharp projections.

Compact heads and pre-bent tips facilitate cable bundling in a minimum of time and space. UNIRAP™ cable ties are designed for both field and production line use and may be installed easily by hand.



BURNDY® cable ties consist of three components: strap, head, and tail. These components are specifically designed to function together to make BURNDY® UNIRAP™ cable ties superior in quality and performance. Shelf life of 5 years, when stored in original packaging.

Component



Precision Engineering

1. Includes load bearing serrations.
2. Features **flats** between the serrations.
3. Features the double outer rail system.
4. The pawl is integrally formed with the head.
5. The pawl is stepped in order to wedge against the serrations in the strap to form the lock.
6. The shoulders, or the sides of the head, guide the strap and prevent it from disengaging from the pawl during loaded conditions.
7. The back supports the strap during the wedging of the lock formation.

Enhanced Performance

1. Serrations provide complete adjustability within the fastening range.
2. Flats reduce stress concentrations and help make the tie stronger.
3. Smooth rails promote low drag, as well as minimize chafing.
4. The locking unit will not disengage. It also promotes low insertion with high pull out force for very easy installation.
5. The tie's ultimate strength achieves optimum levels.
6. Promotes cable tie strength, endurance and longevity.
7. Ensure optimum locking capability.
8. Easy pick-up for installers, which leads to fast assembly.
9. Allows for easy, no-slip grip.

UNIRAP™ Standard Cable Ties Type CT

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine, or iodine when burned. Nylon 6/6 is hydroscopic, and therefore absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness, and elongation of the product.

UV Black / UV Black (Mil. Spec.) are 2% Carbon UV Stabilized.



UL62275
Type 2 & 21

Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
Nylon UNIRAP - 18 Lb. Tensile Strength										
CT18075C	Natural (Mil. Spec.)	0.75 [19.1]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18075M	UL 62275, Type 2 & 21	Y
CT18075C0	UV Black (Mil. Spec.)							CT18075M0		
CT18075C00	UV Black (Mil. Spec.)							CT18075M00		
CT18125C	Natural	1.25 [31.8]	18	6.10 [155]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18125M		
CT18125C0	UV Black							CT18125M0		
CT18125C3	Orange							-		
CT18125C4	Yellow							-		
CT18200C	Natural	2.00 [50.8]	18	8.10 [206]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18200M		
CT18200C1	Brown							-		
CT18200C2	Red							-		
CT18200C5	Green							-		
CT18200C6	Blue							-		
CT18200C0	UV Black							CT18200M0		
Nylon UNIRAP - 30 Lb. Tensile Strength										
CT30125C	Natural (Mil. Spec.)	1.25 [31.8]	30	5.75 [146]	0.14 [3.6]	CTT50 MK9	2 Std.	CT30125M	UL 62275, Type 2 & 21	Y
CT18125C3	Orange							-		
CT18125C4	Yellow							-		
CT30125C0	UV Black (Mil. Spec.)							CT30125M0		
CT30125C00	UV Black (Mil. Spec.)							CT30125M00		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
Nylon UNIRAP - 40 Lb. Tensile Strength										
CT40200C	Natural	2.00 [50.8]	40	8.65 [220]	0.14 [3.6]	CTT50 MK9	2 Std.	CT40200M	UL 62275, Type 2 & 21	Y
CT40200C0	UV Black							CT40200M0		
CT40200C00	UV Black							CT40200M00		
CT40300C	Natural	3.00 [76.2]		11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Std.	CT40300M		
CT40300C0	UV Black							CT40300M0		
CT40300C00	UV Black							CT40300M00		
CT40400C	Natural	4.00 [101.6]		14.60 [371]	0.18 [4.6]	CTT50 MK9	3 Std.	CT40400M		
CT40400C0	UV Black							CT40400M0		
CT40400C00	UV Black							CT40400M00		
Nylon UNIRAP - 50 Lb. Tensile Strength										
CT50175C	Natural (Mil. Spec.)	1.75 [44.5]	50	7.60 [193]	0.18 [4.6]	CTT50 MK9	3 Std.	CT50175M	UL 62275, Type 2 & 21	Y
CT50175C0	UV Black (Mil. Spec.)							CT50175M0		
CT50175C1	Brown (Mil. Spec.)							CT50175M02		
CT50175C2	Red (Mil. Spec.)							-		
CT50175C3	Orange (Mil. Spec.)							-		
CT50175C4	Yellow (Mil. Spec.)							-		
CT50175C5	Green (Mil. Spec.)							-		
CT50175C6	Blue (Mil. Spec.)							-		
CT50175C7	Purple (Mil. Spec.)							-		
CT50175C8	Gray (Mil. Spec.)							-		
CT50175C00	UV Black (Mil. Spec.)							CT50175M00		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



UR1565



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)			
CT50300C	Natural (Mil. Spec.)	3.00 [76.2]	50	11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Std	CT50300M	UL 62275, Type 2 & 21	Y
CT50300C0	UV Black (Mil. Spec.)							CT50300M0		
CT50300C2	Red (Mil. Spec.)							-		
CT50300C00	UV Black (Mil. Spec.)							CT50300M00		
CT50400C	Natural (Mil. Spec.)	4.00 [101.6]	50	14.60 [371]	0.18 [4.6]	CTT50 MK9	3 Std	CT50400M	UL 62275, Type 2 & 21	Y
CT50400C0	UV Black (Mil. Spec.)							CT50400M0		
CT50400C2	Red (Mil. Spec.)							CT50400M02		
CT50400C3	Orange (Mil. Spec.)							-		
CT50400C00	UV Black (Mil. Spec.)							CT50400M00		

Nylon UNIRAP - 120 Lb. Tensile Strength

CT120200L	Natural	2.00 [50.8]	120	9.00 [229]	0.30 [7.6]	MK9	Heavy	CT120200D	UL 62275, Type 2 & 21	Y
CT120200L0	UV Black (Mil. Spec.)							CT120200D0		
CT120400L	Natural (Mil. Spec.)	4.00 [101.6]	120	15.00 [381]	0.30 [7.6]	MK9	Heavy	CT120400D	UL 62275, Type 2 & 21	Y
CT120400L0	UV Black (Mil. Spec.)							CT120400D0 CT120400M0		
CT120400L00	UV Black (Mil. Spec.)							CT120400D00		
CT120800L	Natural	8.00 [203.2]	120	28.51 [724]	0.30 [7.6]	MK9	Heavy	-	UL 62275, Type 2 & 21	N
CT120800L00	UV Black							-		

UNIRAP™ Standard Cable Ties Type CT (Continued)



UL62275
Type 2 & 21



UR1565



Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling		Bulk Pkg Catalog Number	UL Type	Plenum Rated	
				in [mm]	in [mm]	Tool	Tool Setting (if applicable)				
Nylon UNIRAP - 175 Lb. Tensile Strength											
CT175500Q	Natural	5.50 [139.7]	175	18.10 [460]	0.34 [8.6]	MK9	Heavy	—	UL 62275, Type 2 & 21	Y	
CT175500Q0	UV Black										—
CT175600Q	Natural (Mil. Spec.)	7.00 [177.8]		24.51 [622]	0.35 [8.9]			—			N
CT175600Q0	UV Black (Mil. Spec.)							—			
CT175800Q0	UV Black	8.90 [222.1]		32.67 [830]	0.35 [8.9]			—		Y	
CT175900Q	Natural	8.75 [222.0]		36.50 [927]	0.34 [8.6]			—			
CT175900Q00	UV Black (Mil. Spec.)							—			
CT1751100Q	Natural (Mil. Spec.)	11.00 [279.4]		48.00 [1219]	0.35 [8.9]			—		N	
CT1751100Q0	UV Black (Mil. Spec.)							—			
CT1751400Q0	UV Black	15.00 [381.0]		48.50 [1232]	0.34 [8.6]			—		UR 1565	
CT1751500Q	Natural		—			UL 62275, Type 2 & 21					
Nylon UNIRAP - 250 Lb. Tensile Strength											
CT250600Q	Natural	6.00 [152.4]	250	23.00 [584]	0.35 [8.9]	MK9	Heavy	—	UR 1565	N	
CT250600Q0	UV Black										—
CT250800Q	Natural	8.00 [203.2]		28.74 [730]	0.35 [8.9]			—			
CT250800Q0	UV Black							—			
CT2501000Q	Natural	10.00 [254.0]		34.64 [880]	0.50 [12.7]			—			
CT2501200Q	Natural							12.00 [305.0]			40.00 [1016]
CT2501200Q0	UV Black	—									

UNIRAP™ Identification Cable Ties Type CT-ID

Identification cable ties are used in both bundling and identifying the wire groups at the same time. Same material, features and benefits as the Nylon 6/6 Standard Cable Ties.

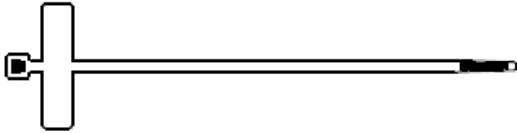


Fig. #2

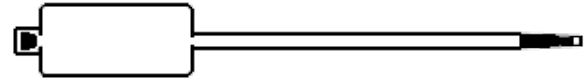


Fig. #1

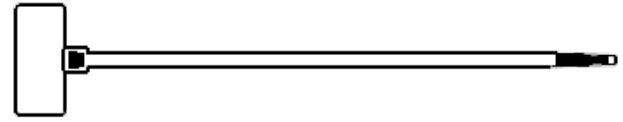


Fig. #3

Std Pkg Catalog Number	Material	Color	Fig.	Marking Pad Size Inches	Max Bundle Diameter Inches [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT18075FLC	Nylon 6/6	Natural	3	.36 X .81	0.75 [19]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.
CT18075IDC			2	.33 X 1.00	0.75 [19]	18	4.01 [102]	0.10 [2.5]		
CT18200IDC			2	.33 X 1.00	2.09 [53]	18	7.72 [196]	0.10 [2.5]		
CT50175IDC			1	.51 X 1.09	1.75 [44]	50	7.48 [190]	0.18 [4.6]	CTT50 MK9	3 Heavy
CT50250IDC			1	.51 X 1.09	2.95 [75]	50	10.60 [269]	0.19 [4.8]		

UNIRAP™ Push Mount Cable Ties Type CT-PM

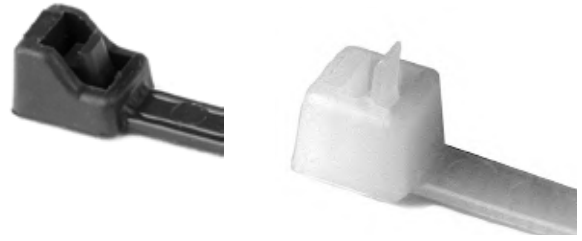
Push Mount Cable Ties attach cable bundle to other surface through a pre-drilled hole. One piece design provides extra stability, reliability, and consistent performance. Same material and features as the Nylon 6/6 Standard Cable Ties.



Std Pkg Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lb)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT50175PMC	Nylon 6/6	Natural	1.75 [44.5]	50	8.50 [216]	0.18 [4.6]	CTT50 MK9	2 Heavy
CT50175PMCO		UV Black						

UNIRAP™ Releasable Cable Ties Type CT-R

Perfect for prototype construction, releasable ties are ideal for temporary installations. Releasable ties are good for applications where service requires adding or subtracting wires from an existing bundle.



Std Pkg Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CT50175RC	Nylon 6/6	Natural	2.13 [54.1]	50	8.00 [198]	0.19 [4]	CTT50 MK9	2 Heavy
CT50175RC0		UV Black						
CT50137RC		Natural	1.40 [35.6]	50	6.00 [151]			
CT50400RC		Natural	4.00 [101.6]	50	15.20 [387]			
CT50400RC0		UV Black						
CT250200RQ		Natural	2.52 [64.0]	250	9.50 [241]			
CT250200RQ0		UV Black						
CT250500RQ		Natural	5.00 [127.0]	250	20.00 [509]			
CT250500RQ0		UV Black						
CT250600RQ		Natural	6.00 [152.4]	250	24.30 [618]			
CT250600RQ0		UV Black						
CT250800RQ		Natural	8.00 [203.2]	250	28.50 [724]			
CT250800RQ0		UV Black						
CT2501000RQ		Natural	9.76 [248.0]	250	32.60 [830]			

UNIRAP™ Metal Detectable Type CMDT

These ties are perfect for use in consumable products such as food processing applications, beverage, pharmaceutical, and cosmetic industries. The metal detectable ties are an excellent choice and are US FDA food contact material compliant*.

*Metal detectable material complies with the compositional requirements of US FDA regulations for Direct Food Contact; 21 CFR 177.1500 and 21 CFR 184.1375. Customer is responsible for ensuring the setting on metal detectable machines is adjusted and monitored for wet or dry products or environments, ferrous and non ferrous metals, type of food/products, packaging material speed, and orientation of scanned product.



Catalog Number (100 per package)	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches
CMDT18075C5	Nylon 6/6 Metal content blended throughout	Teal	.87 [22.2]	18	4.12 [104.7]	.09
CMDT40225C5			2.47 [60.3]	40	8.87 [225.4]	.14
CMDT50175C5			1.87 [47.6]	50	7.56 [192.0]	.18
CMDT50300C5			3.00 [77.7]	50	11.25 [285.7]	.18
CMDT50400C5			4.00 [101.6]	50	14.25 [361.9]	.18
CMDT120400C5			4.00 [101.6]	120	15.09 [383.3]	.30

UNIRAP™ Mounting Hole Cable Ties Type CT-MH

Bundling and mounting, one easy installation. Ideal for use where bundle needs to be secured, such as control panels and ceilings. Can be bundled before or after mounting.



Std Pkg Catalog Number	Color	Screw Size	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)	Bulk Catalog Number
CT18075MH4C	Natural	#4	0.75 [19.1]	18	3.93 [100]	0.10 [3.0]	CTT50 MK9	2 Std.	CT18075MH4M
CT30125MH8C	Natural	#8	1.25 [31.8]	30	6.80 [173]	0.14 [4.0]	CTT50 MK9	2 Std.	CT30125MH8M
CT30125MH8M0*	UV Black								—
CT50175MH10C	Natural	#10	1.75 [44.5]	50	8.10 [206]	0.18 [5.0]	CTT50 MK9	3 Heavy	CT50175MH10M
CT50175MH10C0	UV Black								CT50175MH10M0
CT50400MH10C	Natural	#10	4.00 [101.6]	50	15.10 [384]	0.18 [5.0]	CTT50 MK9	3 Heavy	—
CT50400MH10C0	UV Black								CT50400MH10M0
CT120400MH14L	Natural	1/4"	4.00 [101.6]	120	15.70 [399]	0.30 [8.0]	MK9	Heavy	CT120400MH14D
CT120400MH14L0	UV Black								CT120400MH14D0

*Only available in Bulk Package of 1000 pieces.

UNIRAP™ Heat Stabilized Cable Ties Type CTHS

With similar properties and benefits as nylon 6/6, product manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications. Range up to 225° F.

Features & Benefits

- Good fatigue resistance
- Resistant to chemicals
- Higher temperature range
- Meets the requirements of UL94V-2 flammability rating



Catalog Number	Material	Color	Max Bundle Diameter In. [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Tool	Tool Setting (if applicable)
CTHS18075M	Nylon 6/6 Heat Stabilized	Natural	0.75 [19.1]	18	4.10 [104]	0.10 [2.5]	CTT50 MK9	2 Std.
CTHS40125M			1.25 [31.8]	40	5.75 [146]	0.14 [3.6]	CTT50 MK9	2 Std.
CTHS50300M			3.00 [76.2]	50	11.10 [282]	0.18 [4.6]	CTT50 MK9	3 Heavy
CTHS50400M			4.00 [101.6]	50	14.60 [371]			
CTHS50700M			1.88 [47.8]	50	7.60 [193]			
CTHS120400M			4.00 [101.6]	120	15.00 [381]	0.30 [7.6]	MK9	Heavy

UNIRAP™ Standard Cable Tie Mounting Bases Type CTB

BURNDY® offers a wide variety of mounting bases suited for many applications. Mounting bases are used in conjunction with cable ties to stabilize and secure wire bundles, both indoors and outdoors. Mounting bases can be secured to a surface using rubber based adhesive, acrylic adhesive, or also can be screw mounted.

The Rubber Adhesive has an operating temperature range from 14°F/-10°C to 140°F/60°C; Acrylic Adhesive has a temperature range of 14°F/-10°C to 176°F/80°C. When using the screw mounting option **ONLY** (not using any adhesive to secure the base) the product has a temperature range of -40°F/-40°C to 185°F/85°C.

These mounting bases are available to accommodate CT18 through CT50 series cable ties. Insertion of ties can be made from all sides. Each mount may be secured with screws, adhesive backing, or both, for ease of application and stability. For applications where higher temperatures, certain chemicals, or UV radiation are a concern and an adhesive is the preferred method for securing, the acrylic adhesive mounting bases are recommended.



Fig. #1



Fig. #2



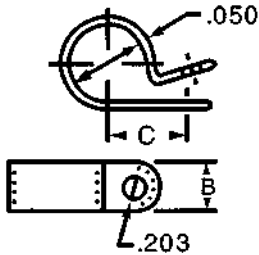
Fig. #3

Std Pkg Catalog Number	Mounting Method	Figure #	Color	Min Tensile Strength (lbs)	Max Tie Slot Width [mm]	Width Inches [mm]	Length Inches [mm]	Bulk Catalog Number
CTB075AAF1C	Acrylic Adhesive or #6 or #8 Screw	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075AAF1M
CTB075AAF1C0	Acrylic Adhesive or #6 or #8 Screw	1	UV Black	11	.17 [4.2]	0.75 [19]	0.75 [19]	—
CTB075RAF1C	Rubber Adhesive or #6 or #8 Screw	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075RAF1M
CTB075RAF1C0	Rubber Adhesive or #6 or #8 Screw	1	UV Black	11	.17 [4.2]	0.75 [19]	0.75 [19]	—
CTB075SF1C	#6 or #8 Screw Only	1	Natural	11	.17 [4.2]	0.75 [19]	0.75 [19]	CTB075SF1M
CTB100AAF2C	Acrylic Adhesive or #10 Screw	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	CTB100AAF2D
CTB100AAF2C0	Acrylic Adhesive or #10 Screw	2	UV Black	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB100RAF2L	Rubber Adhesive or #10 Screw	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	CTB125RA4C
CTB100RAF2C0	Rubber Adhesive or #10 Screw	2	UV Black	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB100SF2C	#6 or #8 Screw Only	2	Natural	36	0.22 [5.5]	1.12 [28.4]	1.12 [28.4]	—
CTB150AAF3C	Acrylic Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	CTB150AAF3D
CTB150RAF3C0	Rubber Adhesive or #10 Screw	3	UV Black	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150RAF3D	Rubber Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150SF3C	#10 Screw Only	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—
CTB150RA4C	Rubber Adhesive or #10 Screw	3	Natural	58	0.39 [10]	1.51 [38.4]	1.51 [38.4]	—

UNIRAP™ Cable Hangers Type CH

Cable hangers provide a contact area range of 1/2" to 3/8" in width. All contact edges have a full radius for product protection, and sizes are clearly marked on each clamp.

Cable hangers are injection molded. Available in Natural and UV Black nylon 6/6.



Catalog Number	Mounting Screw	Color	Maximum Bundle Inches [mm]	Dimension B Width Inches [mm]	Dimension C (Mount Hole to Center) Inches [mm]	Bulk Catalog Number
CH2C	#6 - #8 Screw	Natural	0.12 [3.1]	0.38 [9.7]	0.33	CH2M
CH2C0	#6 - #8 Screw	UV Black				—
CH3C	#10 Screw	Natural	0.19 [4.8]		0.43	CH3M
CH3C0	#10 Screw	UV Black				—
CH4C	#10 Screw	Natural	0.25 [6.4]		0.41	CH4M
CH4C0	#10 Screw	UV Black				CH4M0
CH5C	#10 Screw	Natural	0.31 [7.9]		0.50	CH5M
CH5C0	#10 Screw	UV Black				—
CH6C	#10 Screw	Natural	0.38 [9.7]		0.60	CH6M
CH6C0	#10 Screw	UV Black				CH6M0
CH7C	#10 Screw	Natural	0.44 [11.2]		0.57	CH7M
CH7C0	#10 Screw	UV Black				—
CH8C	#10 Screw	Natural	0.50 [12.7]	0.61	CH8M	
CH8C0	#10 Screw	UV Black			—	
CH9C	#10 Screw	Natural	0.56 [14.2]	0.61	CH9M	
CH9C0	#10 Screw	UV Black			—	
CH10C	#10 Screw	Natural	0.62 [15.8]	0.61	CH10M	
CH10C0	#10 Screw	UV Black			CH10M0	
CH11C	#10 Screw	Natural	0.62 [15.8]	0.50 [12.7]	0.66	CH11M
CH12C	#10 Screw	Natural	0.75 [19.1]		0.78	CH12M
CH12C0	#10 Screw	UV Black				CH12M0
CH14C	#10 Screw	Natural	0.88 [22.4]		0.85	CH14M
CH14C0	#10 Screw	UV Black				—
CH16C	#10 Screw	Natural	1.00 [25.4]		0.91	CH16M
CH18C	#10 Screw	Natural	1.12 [28.5]		0.97	CH18M
CH24L	#10 Screw	Natural	1.50 [38.1]		1.19	CH24C
CH24C0	#10 Screw	UV Black				—

UNIRAP™ Stainless Steel Barb Cable Ties Type CT-SSB

The Stainless Steel Barb cable ties (Type CT-SSB) are nylon 6/6 material featuring self-locking stainless steel barbs and oval low-profile head. There are no sharp edges helping prevent damaged cables. Type CT-SSB ties have a curved tip for faster initial threading and help speed installation. The no slip tail provides an easy grip during tensioning. Type CT-SSB ties are available in Natural and UV Black. These cable ties are cULus Listed for Wiring Positioning devices.

Features & Benefits

- Nylon 6/6 Standard
- Self-locking stainless steel barb
- Available in UV Black and Natural
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Safe for air handling spaces
- Plenum Rated



Type 21

Standard Catalog Number	Color	Max Bundle Diameter In. [mm]	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting	Bulk Catalog Number
CT18087SSBC	Natural	0.87 [22.0]	18	3.94 [100]	0.12 [3.0]	CTT50	1	CT18087SSBM
CT18087SSBC0	UV Black			CT18087SSBM0				
CT18100SSBC	Natural	0.91 [23.1]		4.02 [102]	0.09 [2.0]			CT18100SSBM
CT18100SSBC0	UV Black			CT18100SSBM0				
CT18200SSBC	Natural	2.01 [51.1]		7.91 [201]				CT18200SSBM
CT18200SSBC0	UV Black			CT18200SSBM0				
CT40137SSBC	Natural	1.38 [35.1]	40	5.91 [150]	0.14 [3.0]	CTT50 MK9	2 Heavy	CT40137SSBM
CT40137SSBC0	UV Black			CT40137SSBM0				
CT40200SSBC	Natural	1.97 [50.0]		7.87 [200]	0.15 [4.0]			CT40200SSBD
CT40200SSBC0	UV Black			CT40200SSBD0				
CT40300SSBC	Natural	3.15 [80.0]		11.18 [284]				0.14 [3.0]
CT40300SSBC0	UV Black			CT40300SSBD0				
CT40400SSBC	Natural	4.09 [103.9]		14.49 [368]	CT40400SSBD			
CT40400SSBC0	UV Black			CT40400SSBD0				
CT50175SSBC	Natural	1.77 [45.0]	50	7.32 [186]	0.19 [5.0]	CTT50 MK9	4 Heavy	CT50175SSBD
CT50175SSBC0	UV Black			CT50175SSBD0				
CT50200SSBC	Natural	1.97 [50.0]		7.87 [200]	0.24 [6.0]			CT50200SSBB
CT50200SSBC0	UV Black			CT50200SSBB0				
CT50250SSBC	Natural	2.56 [65.0]		9.84 [250]	0.19 [5.0]			CT50250SSBB
CT50250SSBC0	UV Black			CT50250SSBB0				
CT50300SSBC	Natural	3.19 [81.0]		11.61 [295]				CT50300SSBB
CT50300SSBC0	UV Black			CT50300SSBB0				

UNIRAP™ Stainless Steel Barb Cable Ties Type CT-SSB (Continued)

Standard Catalog Number	Color	Max Bundle Diameter In. [mm]	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting	Bulk Catalog Number	
CT50400SSBC	Natural	3.94	50	14.33	0.19	CTT50 MK9	4 Heavy	CT50400SSBB	
CT50400SSBC0	UV Black	[100.0]		[364]				[5.0]	CT50400SSBB0
CT50425SSBC	Natural	4.21		14.96				[380]	CT50425SSBB
CT50425SSBC0	UV Black	[106.9]							CT50425SSBB0
CT110200SSBC	Natural	2.01	110	8.70	0.28	MK9	Heavy	CT110200SSBB	
CT110200SSBC0	UV Black	[51.1]		[221]				[7.0]	CT110200SSBB0
CT110225SSBL	Natural	2.24		9.45	0.32			CT110225SSBC	
CT110225SSBL0	UV Black	[57.0]		[240]				[8.0]	CT110225SSBC0
CT110300SSBL	Natural	2.99		11.81	0.32			CT110300SSBC	
CT110300SSBL0	UV Black	[76.0]						[300]	[8.0]
CT110325SSBC	Natural	3.15		0.28	0.28			CT110325SSBB	
CT110325SSBC0	UV Black	[80.0]						[7.0]	[7.0]
CT110350SSBL	Natural	3.62		13.78	0.32			CT110350SSBC	
CT110350SSBL0	UV Black	[92.0]		[350]				[8.0]	CT110350SSBC0
CT110400SSBL	Natural	4.02		14.88	0.28			CT110400SSBC	
CT110400SSBL0	UV Black	[102.1]		[378]				[7.0]	CT110400SSBC0
CT110500SSBL	Natural	5.00		18.11				[460]	CT110500SSBC
CT110500SSBL0	UV Black	[127.0]		[538]					[7.0]
CT110600SSBL	Natural	5.98		21.18				[538]	CT110600SSBC
CT110600SSBL0	UV Black	[151.9]		[699]					[7.0]
CT110800SSBL	Natural	7.99	27.52	[699]		CT110800SSBC			
CT110800SSBL0	UV Black	[203.0]					CT110800SSBC0		
CT120300SSBL	Natural	3.15	120	11.81	0.39	MK9	Heavy	CT120300SSBC	
CT120300SSBL0	UV Black	[80.0]		[300]				[10.0]	CT120300SSBC0
CT120350SSBL	Natural	3.82		13.78				[350]	CT120350SSBC
CT120350SSBL0	UV Black	[97.0]		[400]					[10.0]
CT120400SSBL	Natural	4.33		15.75				[400]	CT120400SSBC
CT120400SSBL0	UV Black	[110.0]		[450]					[10.0]
CT120500SSBL	Natural	4.92		17.72				[450]	CT120500SSBC
CT120500SSBL0	UV Black	[125.0]							

UNIRAP™ Universal Grade Cable Ties Type CT-UG

General purpose nylon 6/6 ties feature light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine, or iodine when burned. Nylon 6/6 is hygroscopic, and therefore, absorbs or releases moisture depending on its environment. The moisture level of the material will affect tensile strength, stiffness and elongation of the product.



Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Self-locking

Std Pkg Catalog Number	Color	Max. Bundle Dia. (in) [mm]	Min. Tensile Strength (lb)	Length inch [mm]	Width inch [mm]	Tool	Tool Setting (if applicable)	Bulk Pkg Catalog Number
Nylon UNIRAP - 18 Lb. Tensile Strength								
CT18075CUG	Natural	0.75 [19.1]	18	3.94 [101]	0.10 [2.5]	CTT50 MK9	2 Std.	CT18025MUG
CT18075C0UG	UV Black			CT18025M0UG				
—	Natural	2.00 [50.8]		7.95 [202]				CT18200MUG
CT18200C0UG	UV Black			CT18200M0UG				
Nylon UNIRAP - 30 Lb. Tensile Strength								
CT30125CUG	Natural	1.25 [31.8]	30	5.90 [150]	0.13 [3.3]	CTT50 MK9	2 Std.	CT30125MUG
CT30125C0UG	UV Black			—				
Nylon UNIRAP - 40 Lb. Tensile Strength								
CT40200CUG	Natural	2.00 [50.8]	40	7.90 [201]	0.15 [3.8]	CTT50 MK9	3 Heavy	CT40200MUG
CT40400C0UG	UV Black	4.00 [101.6]		14.50 [368]				—
Nylon UNIRAP - 50 Lb. Tensile Strength								
CT50175CUG	Natural	1.75 [44.5]	50	7.83 [199]	0.18 [4.6]	CTT50 MK9	3 Heavy	CT50175MUG
CT50175C0UG	UV Black			CT50175M0UG				
CT50300CUG	Natural	3.00 [76.2]		11.34 [288]				CT50300MUG
CT50300C0UG	UV Black			CT50300M0UG				
CT50400CUG	Natural	4.00 [101.6]		14.60 [371]				CT50400MUG
CT50400C0UG	UV Black			—				

UNIRAP™ Universal Grade Cable Ties Type CT-UG (Continued)

Std Pkg Catalog Number	Color	Max. Bundle Dia. (in) [mm]	Min. Tensile Strength (lb)	Length inch [mm]	Width inch [mm]	Tool	Tool Setting (if applicable)	Bulk Pkg Catalog Number
Nylon UNIRAP - 120 Lb. Tensile Strength								
CT120200L0UG	UV Black	2.00 [50.8]	120	8.87 [225]	0.28 [7.1]	CTT50 MK9	3 Heavy	—
CT120400LUG	Natural	4.00 [101.6]		14.57 [370]				—
CT120400L0UG	UV Black			17.70 [450]				CT120400C0UG
CT120500CUG	Natural	5.00 [127.0]						—
CT120900LUG	Natural	9.00 [228.6]						29.75 [756]
Nylon UNIRAP - 175 Lb. Tensile Strength								
CT175400Q0UG	UV Black	4.00 [101.6]	175	15.00 [381]	0.35 [8.9]	MK9	Heavy	—
CT175600QUG	Natural	6.00 [152.4]		21.00 [533]				—
CT175600Q0UG	UV Black			32.00 [813]				—
CT175900Q0UG	UV Black	9.00 [228.6]						—
CT1751100QUG	Natural	11.00 [279.4]						36.00 [914]
CT1751100Q0UG	UV Black			52.00 [1321]				—
CT1751400QUG	Natural	14.00 [355.6]						—
Nylon UNIRAP - 250 Lb. Tensile Strength								
CT250800Q0UG	UV Black	8.00 [203.2]	250	29.00 [737]	0.50 [12.7]	MK9	Heavy	—

UNIRAP™ Universal Grade Cable Ties with Mounting Hole; Type CT-MH-UG

The CT-MH-UG Cable Ties use the same material and have the same benefits of our CT-UG Cable Ties with the addition of a mounting hole. General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine or iodine when burned. Nylon 6/6 is hygroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Self-locking



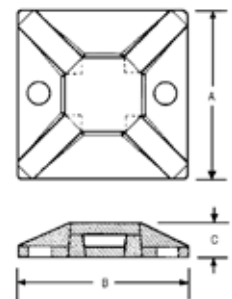
Std Pkg Catalog Number	Color	Screw Size	Max Bundle Diameter Inches [mm]	Min Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]	Installation Tool	Tool Setting
CT50175MH10CUG	Natural	#10	1.75 [44.5]	50	7.79 [198]	0.18 [4.6]	CTT50 MK9	3 Std.
CT50175MH10C0UG	UV Black			50				
CT50300MH10CUG	Natural		3.00 [76.2]	50	11.73 [298]			
CT50300MH10C0UG	UV Black			50				

UNIRAP™ Universal Grade Cable Tie Mounting Bases; Type CTB-UG

These cable tie mounting bases may be secured with 2 screws and/or a rubber-based adhesive for ease of applications and stability. These bases are suited for many applications to stabilize and secure wire bundles, both indoors and outdoors.

Features & Benefits

- Nylon 6/6 Standard
- Chemically resistant to solvents, oils, grease, and diluted acids



Std Pkg Catalog Number	Mounting Method	Max Tie Slot Width [mm]	Dimension A [mm]	Dimension B [mm]	Dimension C [mm]	Bulk Catalog Number
CTB075RA4CUG	Rubber Adhesive	0.14 [3.56]	0.75 [19.0]	0.75 [19.0]	0.15 [3.8]	—
CTB125RA4CUG	Rubber Adhesive	0.20 [5.08]	1.125 [28.6]	1.125 [28.6]	0.19 [4.8]	CTB125RA4DUG

UNIRAP™ Cable Tie Variety Canister Type CTASST

There are times when a variety of lengths and color would be helpful. The Type CTASST Cable Tie Variety Canister is perfect when your needs change.



Catalog Number	Contains						Installation Tool	Tool Setting
	Quantity	Color	Max Bundle Diameter	Tensile Strength (lbs)	Length Inches [mm]	Width Inches [mm]		
CTASST	100	Natural	0.75 [19.1]	18	3.94 [100]	0.10 [2.5]	CTT50	2
	100	UV Black						
	200	Natural	1.75 [44.5]	50	7.99 [203]	0.13 [3.2]	CTT50	3
	100	UV Black						
	50	Natural	3.00 [76.2]	50	11.02 [280]	0.19 [4.8]		
	50	UV Black						

UNIRAP™ Nylon 12 Cable Ties Type CTNT



CABLE TIE
33TX

Nylon 12 cable ties provide excellent UV, chemical and moisture resistance. The ties feature inside serrations and a bent tail for quick and easy installation. Manufactured from polyamide 12 the ties also have a smooth edge to prevent bundle damage. Especially suitable in high moisture, corrosive (zinc chloride and dilute acids) environments or where low temperatures are a factor. Indoor or outdoor applications.



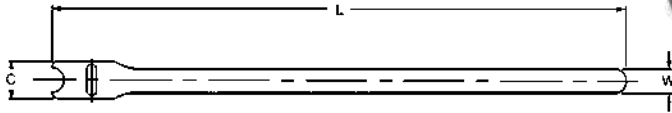
Std Pkg Catalog Number	Color	Max. Bundle Dia. In. [mm]	Min. Tensile Strength (lb)	Length	Width	Installation Tooling	Bulk Pkg Catalog Number
				in [mm]	in [mm]	Tool	
CTNT50200C0	UV Black	2.00 [50]	50	7.50 [190]	0.19 [4.8]	CTT50	CTNT50200D0
CTNT50275C0	UV Black	2.75 [70]		11.00 [280]			CTNT50275D0
CTNT50350C0	UV Black	3.50 [90]		13.78 [350]			CTNT50350D0
CTNT50400C0	UV Black	4.00 [102]		15.00 [380]			CTNT50400D0
CTNT50500C0	UV Black	5.12 [130]		18.10 [460]			CTNT50500D0
CTNT50575C0	UV Black	5.90 [150]		19.69 [500]			CTNT50575D0
CTNT50650C0	UV Black	6.70 [170]		23.62 [600]			CTNT50650D0
CTNT50725C0	UV Black	7.30 [185]		25.60 [650]			CTNT50725D0
CTNT50750C0	UV Black	7.50 [190]		27.60 [700]			CTNT50750D0

VELCRO® Hook and Loop Straps Type TFV-B

Reusable and flexible, hook and loop straps are a unique self-gripping fastening system. These ties are specifically used on fiberoptic applications.

The TFV-V2 flame retardant straps are UL Listed Wire Positioning Devices (ZODZ), UL94-V2 rated for use in air handling spaces in accordance with the NEC Section 300-22(c) and (d). Perfect for plenum areas.

25 straps are conveniently packaged in each polybag.



Catalog Number	Product Description	Max Bundle Diameter [mm]	C [mm]	L [mm]	W [mm]	T	Avg. Sheer (PSI)	Avg. Peel (PIW)	Pkg. Qty.
TFV3B12V2	VELCRO® hook and loop strap, 3/4" x 12", Black, 25pk	3.00 [76.2]	0.75 [19.1]	12.00 [305]	0.50 [.27]	0.09	29	0.60	1 package = 25 ties
TFV3B18V2	VELCRO® hook and loop strap, 3/4" x 18", Black, 25pk	5.00 [127.0]		18.00 [457]			29	0.60	
TFV3B6V2	VELCRO® hook and loop strap, 3/4" x 6", Black, 25pk	1.00 [25.4]		6.00 [152]			29	0.60	
TFV3BLU12	VELCRO® hook and loop strap, 3/4" x 12", Royal Blue, 25pk	3.00 [76.2]		12.00 [305]			23	0.50	
TFV3BLU18	VELCRO® hook and loop strap, 3/4" x 18", Royal Blue, 25pk	5.00 [127.0]		18.00 [457]			23	0.50	

TEFZEL® Cable Ties Type CTZ

TEFZEL® Fluoropolymer ties feature a low smoke density with excellent flammability rating (UL 94V-0) and tolerates extreme high and low temperatures. TEFZEL® ties come in distinctive aqua blue color with an operating temperature of Min. -112°F (-80°C), Max. 338°F (170°C).

TEFZEL® is a Registered trademark of E.I. du Pont de Nemours and Company.



Catalog Number	Tensile	Max Bundle Diameter	Length	Pkg Qty
CTZ18075C6	18 lb	.87"	4.00"	100
CTZ18125C6	18 lb	1.39"	6.25"	100
CTZ30200C6	30 lb	2.00"	4.00"	100
CTZ50175C6	50 lb	1.75"	7.75"	100
CTZ50300C6	50 lb	3.00"	11.00"	100
CTZ50400C6	50 lb	4.00"	14.50"	100
CTZ100300C6	100 lb	3.00"	11.00"	50
CTZ100400C6	100 lb	4.00"	14.50"	50

UNIRAP™ Grade 304 Stainless Steel; Uncoated Type CTSS

BURNDY® 304 Stainless Steel ties are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application.

Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern. BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

These Stainless Steel ties are made from Grade 304 Stainless Steel. Designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.



Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Suitable for general purpose applications
- Smooth, rounded edges help ensure safe, efficient handling
- Available in a variety of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS225100304C	304 SS	0.99 [25.2]	225	3.94 [100]	0.18 [4.6]	CTTSS900
CTSS225200304C		1.97 [50.0]		7.87 [200]		
CTSS225300304C		3.00 [76.2]		11.81 [300]		
CTSS225400304C		4.02 [102.1]		15.75 [400]		
CTSS225500304C		5.04 [128.0]		19.68 [500]		
CTSS225600304C		6.07 [154.2]		23.62 [600]		
CTSS500200304L	304 SS	1.97 [50.0]	500	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS500300304L		3.00 [76.2]		11.81 [300]		
CTSS500400304L		4.02 [102.1]		15.75 [400]		
CTSS500500304L		5.04 [128.0]		19.68 [500]		
CTSS500600304L		6.07 [154.2]		23.62 [600]		
CTSS500700304L		7.09 [180.1]		27.56 [700]		
CTSS500750304L		7.60 [193.0]		31.50 [800]		
CTSS500800304L		8.12 [206.3]		39.37 [1000]		
CTSS700200304L	304 SS	1.97 [50.0]	700	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS700300304L		3.00 [76.2]		11.81 [300]		
CTSS700400304L		4.02 [102.1]		15.75 [400]		
CTSS700500304L		5.04 [128.0]		19.68 [500]		
CTSS700600304L		6.07 [154.2]		23.62 [600]		
CTSS700700304L		7.09 [180.1]		27.56 [700]		
CTSS700800304L		8.12 [206.3]		39.37 [1000]		
CTSS900200304L	304 SS	1.97 [50.0]	920	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS900300304L		3.00 [76.2]		11.81 [300]		
CTSS900400304L		4.02 [102.1]		15.75 [400]		
CTSS900500304L		5.04 [128.0]		19.68 [500]		
CTSS900600304L		6.07 [154.2]		23.62 [600]		
CTSS900700304L		7.09 [180.1]		27.56 [700]		
CTSS900800304L		8.12 [206.3]		39.37 [1000]		

UNIRAP™ Grade 304 Stainless Steel; Partially Coated; Type CTSS-PC

BURNDY® Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. CTSS-PC ties are currently available in black. BURNDY® Stainless Steel Partially Coated Cable Ties can be used in any indoor, outdoor, or underground application.



Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS250200PC304L	304 SS	1.97 [50.0]	270	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS250300PC304L		3.00 [76.2]		11.81 [300]		
CTSS250400PC304L		4.02 [102.1]		15.75 [400]		
CTSS250500PC304L		5.04 [128.0]		19.68 [500]		
CTSS250600PC304L		6.06 [153.9]		23.62 [600]		
CTSS250700PC304L		7.09 [180.1]		27.56 [700]		
CTSS250800PC304L		8.11 [206.0]		39.37 [1000]		
CTSS450200PC304L	304 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS450300PC304L		3.00 [76.2]		11.81 [300]		
CTSS450400PC304L		4.02 [102.1]		15.75 [400]		
CTSS450500PC304L		5.04 [128.0]		19.68 [500]		
CTSS450600PC304L		6.06 [153.9]		23.62 [600]		
CTSS450700PC304L		7.09 [180.1]		27.56 [700]		
CTSS450800PC304L		8.11 [206.0]		39.37 [1000]		
CTSS675200PC304Q	304 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS675300PC304Q		3.00 [76.2]		11.81 [300]		
CTSS675400PC304Q		4.02 [102.1]		15.75 [400]		
CTSS675500PC304Q		5.04 [128.0]		19.68 [500]		
CTSS675600PC304Q		6.06 [153.9]		23.62 [600]		
CTSS675700PC304Q		7.09 [180.1]		27.56 [700]		
CTSS675800PC304Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 304 Stainless Steel; Fully Coated; Type CTSS-FC

The Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-FC ties are currently available only in black. BURNDY® stainless steel fully coated cable ties can be used in any indoor, outdoor, or underground applicaiton.

Features & Benefits

- Meet ABS Requirements
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating



Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS100100FC304C	304 SS	0.98 [24.9]	160	3.94 [100]	0.18 [4.6]	CTTSS900
CTSS100200FC304C		1.97 [50.0]		7.87 [200]		
CTSS100300FC304C		3.00 [76.2]		11.81 [300]		
CTSS100400FC304C		4.02 [102.1]		15.75 [400]		
CTSS100500FC304C		5.04 [128.0]		19.68 [500]		
CTSS100600FC304C		6.07 [154.2]		23.62 [600]		
CTSS100800FC304C		8.11 [206.0]		31.50 [800]		
CTSS250200FC304L	304 SS	1.97 [50.0]	250	7.87 [200]	0.31 [7.9]	CTTSS900
CTSS250300FC304L		3.00 [76.2]		11.81 [300]		
CTSS250400FC304L		4.02 [102.1]		15.75 [400]		
CTSS250500FC304L		5.04 [128.0]		19.68 [500]		
CTSS250600FC304L		6.06 [153.9]		23.62 [600]		
CTSS250700FC304L		7.09 [180.1]		27.56 [700]		
CTSS250800FC304L		8.11 [206.0]		39.37 [1000]		
CTSS450200FC304L	304 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTTSS900
CTSS450300FC304L		3.00 [76.2]		11.81 [300]		
CTSS450400FC304L		4.02 [102.1]		15.75 [400]		
CTSS450500FC304L		5.04 [128.0]		19.68 [500]		
CTSS450600FC304L		6.06 [153.9]		23.62 [600]		
CTSS450700FC304L		7.09 [180.1]		27.56 [700]		
CTSS450800FC304L		8.11 [206.0]		39.37 [1000]		
CTSS675200FC304Q	304 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTTSS900
CTSS675300FC304Q		3.00 [76.2]		11.81 [300]		
CTSS675400FC304Q		4.02 [102.1]		15.75 [400]		
CTSS675500FC304Q		5.04 [128.0]		19.68 [500]		
CTSS675600FC304Q		6.06 [153.9]		23.62 [600]		
CTSS675700FC304Q		7.09 [180.1]		27.56 [700]		
CTSS675800FC304Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Uncoated Type CTSS

BURNDY® Stainless Steel ties (Type CTSS) are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application. Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern, BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

BURNDY® Stainless Steel ties are made from Grade 316 Stainless Steel. This tie is designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.



Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges help ensure safe, efficient handling
- Available in a variety of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS225100316C	316 SS	0.99 [24.9]	225	3.94 [100]	0.18 [4.6]	CTSS900
CTSS225200316C		1.97 [50.0]		7.87 [200]		
CTSS225300316C		3.00 [76.2]		11.81 [300]		
CTSS225400316C		4.02 [102.1]		15.75 [400]		
CTSS225500316C		5.04 [128.0]		19.68 [500]		
CTSS225600316C		6.07 [154.2]		23.62 [600]		
CTSS500200316C	316 SS	1.97 [50.0]	500	7.87 [200]	0.31 [7.9]	CTSS900
CTSS500300316C		3.00 [76.2]		11.81 [300]		
CTSS500400316L		4.02 [102.1]		15.75 [400]		
CTSS500500316L		5.04 [128.0]		19.68 [500]		
CTSS500600316L		6.07 [154.2]		23.62 [600]		
CTSS500700316L		7.09 [180.1]		27.56 [700]		
CTSS500750316L		7.60 [193.0]		31.50 [800]		
CTSS500800316L		8.12 [206.3]		39.37 [1000]		
CTSS700200316L	316 SS	1.97 [50.0]	700	7.87 [200]	0.50 [12.7]	CTSS900
CTSS700300316L		3.00 [76.2]		11.81 [300]		
CTSS700400316L		4.02 [102.1]		15.75 [400]		
CTSS700500316L		5.04 [128.0]		19.68 [500]		
CTSS700600316L		6.07 [154.2]		23.62 [600]		
CTSS700700316L		7.09 [180.1]		27.56 [700]		
CTSS700800316L		8.12 [206.3]		39.37 [1000]		
CTSS900200316L	316 SS	1.97 [50.0]	920	7.87 [200]	0.62 [15.9]	CTSS900
CTSS900300316L		3.00 [76.2]		11.81 [300]		
CTSS900400316L		4.02 [102.1]		15.75 [400]		
CTSS900500316L		5.04 [128.0]		19.68 [500]		
CTSS900600316L		6.07 [154.2]		23.62 [600]		
CTSS900700316L		7.09 [180.1]		27.56 [700]		
CTSS900800316L		8.12 [206.3]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Partially Coated; Type CTSS-PC

BURNDY® Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. CTSS-PC ties are currently available in black. BURNDY® Stainless Steel Partially Coated Cable Ties can be used in any indoor, outdoor, or underground application.



Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Available in Black only
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches [mm]	Width Inches [mm]	Installation Tool
CTSS250200PC316L	316 SS	1.97 [50.0]	270	7.87 [200]	0.31 [7.9]	CTSS900
CTSS250300PC316L		3.00 [76.2]		11.81 [300]		
CTSS250400PC316L		4.02 [102.1]		15.75 [400]		
CTSS250500PC316L		5.04 [128.0]		19.68 [500]		
CTSS250600PC316L		6.06 [153.9]		23.62 [600]		
CTSS250700PC316L		7.09 [180.1]		27.56 [700]		
CTSS250800PC316L		8.11 [206.0]		39.37 [1000]		
CTSS450200PC316L	316 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTSS900
CTSS450300PC316L		3.00 [76.2]		11.81 [300]		
CTSS450400PC316L		4.02 [102.1]		15.75 [400]		
CTSS450500PC316L		5.04 [128.0]		19.68 [500]		
CTSS450600PC316L		6.06 [153.9]		23.62 [600]		
CTSS450700PC316L		7.09 [180.1]		27.56 [700]		
CTSS450800PC316L		8.11 [206.0]		39.37 [1000]		
CTSS675200PC316Q	316 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTSS900
CTSS675300PC316Q		3.00 [76.2]		11.81 [300]		
CTSS675400PC316Q		4.02 [102.1]		15.75 [400]		
CTSS675500PC316Q		5.04 [128.0]		19.68 [500]		
CTSS675600PC316Q		6.06 [153.9]		23.62 [600]		
CTSS675700PC316Q		7.09 [180.1]		27.56 [700]		
CTSS675800PC316Q		8.11 [206.0]		39.37 [1000]		

UNIRAP™ Grade 316 Stainless Steel; Fully Coated; Type CTSS-FC

The Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-FC ties are currently available only in black. BURNDY® stainless steel fully coated cable ties can be used in any indoor, outdoor, or underground application.

Features & Benefits

- Meet ABS Requirements
- 316 Grade Stainless Steel
- Available in Black only
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges help ensure safe efficient handling
- Available in a wide range of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical



Catalog Number	Material	Max Bundle Diameter In. [mm]	Min Tensile Strength Lbs.	Length Inches	Width Inches	Installation Tool
CTSS100100FC316C	316 SS	0.98 [24.9]	160	3.94 [100]	0.18 [4.6]	CTSS900
CTSS100200FC316C		1.97 [50.0]		7.87 [200]		
CTSS100300FC316C		3.00 [76.2]		11.81 [300]		
CTSS100400FC316C		4.02 [102.1]		15.75 [400]		
CTSS100500FC316C		5.04 [128.0]		19.68 [500]		
CTSS100600FC316C		6.07 [154.2]		23.60 [600]		
CTSS100800FC316C		8.11 [206.0]		31.50 [800]		
CTSS250200FC316L	316 SS	1.97 [50.0]	250	7.87 [200]	0.31 [7.9]	CTSS900
CTSS250300FC316L		3.00 [76.2]		11.81 [300]		
CTSS250400FC316L		4.02 [102.1]		15.75 [400]		
CTSS250500FC316L		5.04 [128.0]		19.68 [500]		
CTSS250600FC316L		6.06 [153.9]		23.62 [600]		
CTSS250700FC316L		7.09 [180.1]		27.56 [700]		
CTSS250800FC316L		8.11 [206.0]		39.37 [1000]		
CTSS450200FC316L	316 SS	1.97 [50.0]	450	7.87 [200]	0.50 [12.7]	CTSS900
CTSS450300FC316L		3.00 [76.2]		11.81 [300]		
CTSS450400FC316L		4.02 [102.1]		15.75 [400]		
CTSS450500FC316L		5.04 [128.0]		19.68 [500]		
CTSS450600FC316L		6.06 [153.9]		23.62 [600]		
CTSS450700FC316L		7.09 [180.1]		27.56 [700]		
CTSS450800FC316L		8.11 [206.0]		39.37 [1000]		
CTSS675200FC316Q	316 SS	1.97 [50.0]	675	7.87 [200]	0.62 [15.9]	CTSS900
CTSS675300FC316Q		3.00 [76.2]		11.81 [300]		
CTSS675400FC316Q		4.02 [102.1]		15.75 [400]		
CTSS675500FC316Q		5.04 [128.0]		19.68 [500]		
CTSS675600FC316Q		6.06 [153.9]		23.62 [600]		
CTSS675700FC316Q		7.09 [180.1]		27.56 [700]		
CTSS675800FC316Q		8.11 [206.0]		39.37 [1000]		

Wiley Bundle Straps

High-quality wire management solutions

The Wiley Bundle Strap is made of corrosion resistant 304 stainless steel, which makes for a durable, long lasting and reliable solution for all environments. The vinyl jacket covering the stainless steel wire is designed to protect cable insulation from damage. The Wiley Bundle Strap is easy to install and can be crimped in the field with electrician linesman pliers or standard wire cutters. The crimp sleeve's retention feature allows for a quick, effortless, secure installation. Custom lengths available upon request.

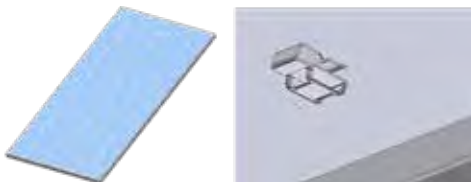
Features and Benefits:

- UL 62275 Listed
- High quality, long-lasting, labor saving, wire management solution
- UV rated vinyl jacketed stainless steel wire with 304 stainless steel crimp
- Vinyl jacket designed to protect cable insulation from damage
- 304 stainless steel crimp sleeve allows for quick and easy installation
- Can be crimped in the field with electrician linesman pliers or standard wire cutters
- Retention feature allows for a quick, effortless, secure installation
- Lasts for the lifetime of the PV system
- RoHS compliant
- Custom lengths available upon request



ACC-FBC shown with WBS8V

Installing the ACC-FBC with WBS or UNIRAP™ cable tie



The ACC-FBC mounting base slides onto the module flange



Route a WBS or UNIRAP™ through the ACC-FBC mounting base



Secure desired cables by tightening the WBS or UNIRAP™

Wiley Bundle Straps

304 Stainless Steel wire covered with vinyl jacket helps protect cable insulation from damage

Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Tensile Strength	Max. Bundle Diameter inch [mm]	Material
WBS8V	8.00 [203.20]	0.06 [1.50]	100 lbs.	2.30 [58.40]	Vinyl Insulated 304 Stainless Steel Wire
WBS10V	10.00 [254.00]	0.06 [1.50]	100 lbs.	2.92 [74.00]	
WBS12V	12.00 [304.80]	0.06 [1.50]	100 lbs.	3.88 [98.50]	
WBS14V	14.00 [356.00]	0.06 [1.50]	100 lbs.	4.20 [106.70]	
WBS20V	20.00 [508.00]	0.06 [1.50]	100 lbs.	6.36 [161.50]	
WBS24V	24.00 [609.60]	0.06 [1.50]	100 lbs.	7.00 [178.00]	
WBS30V	30.00 [762.00]	0.06 [1.50]	100 lbs.	8.75 [222.00]	
WBS36V	36.00 [914.40]	0.06 [1.50]	100 lbs.	11.00 [279.40]	

Mounting Platform for WBS Bundle Straps or UNIRAP™ Cable Ties

304 Stainless Steel cable clip used for affixing cable ties to a module flange or similar flange.

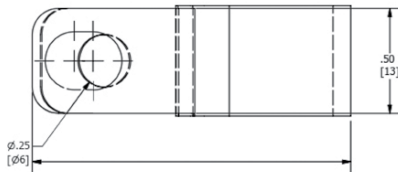
Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Max. Cable Tie Width inch [mm]	Frame Thickness
ACC-FBC	0.55 [14.00]	0.48 [12.20]	0.27 [7.00]	0.31 [8.00]	1.3mm to 2.5mm

Wiley Coated Wire Management Coated Straps, Coated P-Clips

Wiley coated products are a durable, long lasting and reliable solution for protecting wires and cables. The vinyl coating acts as a shield against vibration and cable insulation damage. Wiley coated P-Clips easily install into a mounting hole with 1/4" hardware. Wiley coated straps are the perfect reusable, long lasting alternative to a cable tie solution. These products are great for general wire fastening applications, such as holding hydraulic hoses, wire harnesses, cables, and everyday solar wire management. Indoor/Outdoor rated and UV resistant.



Wiley Coated Straps					
<i>Vinyl coated steel straps protect cables from vibration and insulation damage</i>					
Catalog Number	Length inch [mm]	Diameter inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIS8-2	7.87 [200.0]	0.24 [6.0]	2.00 [50.8]	PVC coated steel	UL 62275 Listed
WIS12-3	11.80 [300.0]	0.24 [6.0]	3.00 [76.2]		



Wiley Coated P-Clips				
<i>Vinyl coated steel p-clips protect cables from vibration and insulation damage</i>				
Catalog Number	Width inch [mm]	Max. Bundle Diameter inch [mm]	Material	UL
WIPC14-14	0.24 [6.0]	0.25 [6.4]	PVC coated zinc plated steel	UL 1565 Listed
WIPC14-12	0.24 [6.0]	0.50 [13.0]		
WIPC14-34	0.24 [6.0]	0.75 [19.0]		
WIPC14-1	0.24 [6.0]	1.00 [25.4]		
WIPC14-112	0.24 [6.0]	1.50 [38.0]		



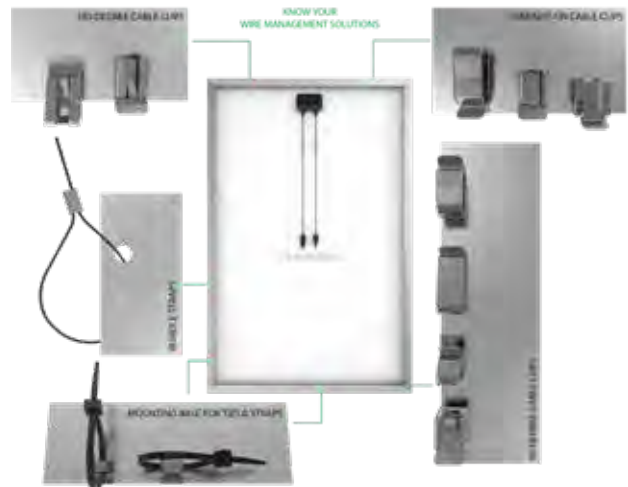
Wiley Cable Clips





High-quality wire management solutions

Engineered for high-quality wire management solutions, Wiley Cable Clips simplify wire management and create a cleaner aesthetic to solar PV arrays. The clips are made of corrosion resistant stainless steel, which makes for a durable, long lasting and reliable solution in all environments and are designed with coined and rolled edges to prevent damage to cable insulation. The designs are easy to install and remove with a flat head screwdriver. The clips can be used in a wide variety of mounting configurations (including 90 and 180 degrees) for module and rail applications. Custom designs are available upon request.













Features and Benefits:

- UL 1565 Listed
- Accommodates a broad range of cable combinations and sizes (e.g., USE-2, PV, AC module, and micro inverter cables)
- Environmentally tested - UL 2703 and ASTM B117
- No tools required for installation
- Coined and rolled edges to prevent damage to cable insulation
- Reliability for use throughout the lifetime of the PV system



Module Clips				
304 Stainless Steel cable clips that install on the module frame				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC	1 to 2 USE-2 wires or 1 PV wire	Max. 0.216 [5.50]	1.3 - 2.5mm
	ACC-PV	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FLD	1 to 2 PV wires	Max. 0.275 [7.00]	1.3 - 2.5mm
	ACC-FPV	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3mm

Wiley Cable Clips (Continued)

90 Degree Module Clips				
304 Stainless Steel cable clips that install parallel or perpendicular on the module frame				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-F90-1	1 to 2 USE-2 wires or 1 to 2 PV wire	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-FPV90	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F2-90	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	1.3 - 2.5mm
	ACC-F4-90-1	1 to 4 PV wires	Max. 0.29 [7.50]	1.3 - 2.5mm
	ACC-F490	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F4F	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	2 PV wire or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
180 Degree Rail Clips				
304 Stainless Steel cable clips that install on the flange at 180 degrees				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	ACC-FPV180	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	ACC-F1-270	1 to 2 PV wires or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
Rail Clips				
304 Stainless Steel cable clips that install on the rail, channel, or slot				
Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Rail Type
	ACC-R2	1 to 2 Micro Inverter Trunk or AC cables	1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00]	Unirac, Ironrige or Similar Style
	ACC-R4	1 to 4 PV wires	Max. 0.29 [7.50]	Unirac, Ironrige or Similar Style
	ACC-RBC15	2 Micro Inverter Trunk or up to 4 PV wires	Max. 0.55 [14.00]	Rail Channel or Slot Width: 6.35mm to 13.5mm



ACC-F90-1 shown in both orientations



ACC-F1-270



ACC-FPV180



ACC-RBC15 shown

Cable Tie Tools Types CTT, CTSS

Ergonomics and the prevention of repetitive motion injuries, coupled with the need to continually improve assembly efficiencies and procedures, are a major concern with most cable tie users. BURNDY® cable tie tools effectively address both issues. BURNDY® has world class cable tie tools to complement its line of quality cable ties. These tools are truly state-of-the-art both in design and performance.

BURNDY® tools make it easier for operators to install cable ties, while maintaining correct tension and flush cut-off. Worker safety is further enhanced as the tools can eliminate the sharp edges of a cut-off cable tie.



A

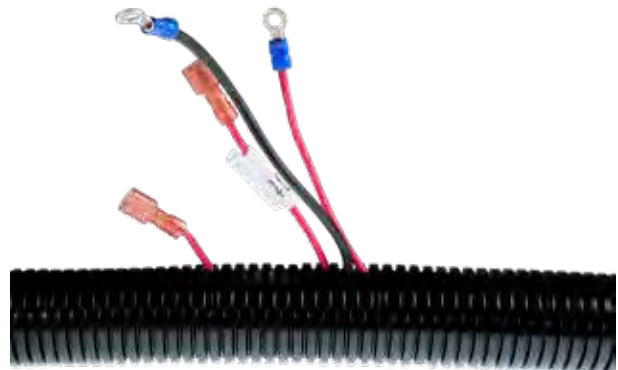


B

Catalog Number	Ref. Figure	Description	For Use On
CTT50	A	Adjustable Tensioning Tool for Width 0.10" to 0.19"	Nylon up to 50 lbs
CTTSS900	B	Stainless Steel Tie Tool	SS Ties up to 900 lbs

Split Loom Tubing Type LOOM

Split loom is ideal for applications where braided tubing or spiral wrap may be difficult to install. Tubing provides full coverage where spiral wrap or other coverings may not be suitable. In harsh applications the tubing provides resistance to crushing, impact, and abrasion. Split loom tubing, made of polyethylene, offers excellent protection against automotive fluids, vibration wear, water, snow, ice, and the effects of heat, cold, and sunlight on cables and wires.



Catalog Number	Diameter	Length
LOOM75	3/4"	328 feet
LOOM100	1"	164 feet
LOOM150	1-1/2"	164 feet
LOOM200	2"	82 feet

145PTAG

94V0 Rated Nylon Tag

Designed originally for the telecom market, this tag is applicable anywhere the need to mark tags in the field exists. Typically secured to cabling using a multi-ply cord or cable tie, or waxed cord. The tags may be written on in most inks or using a permanent marker. Durable, flame retardant, white nylon tag 94V0 rated.

Dimensions: 1" x 1-3/4"
Catalog Number: 145PTAG

