

Metal Detectable and Antimicrobial Metal Detectable Cable Ties and Mounts

Antimicrobial Metal Detectable and Metal Detectable Cable Ties and Mounts are manufactured to elevate safety standards in the food, beverage, and pharmaceutical industries. Impregnated with metal material, these innovative products are identifiable by metal detection equipment ensuring swift and reliable identification. In alignment with regulatory excellence, our Cable Ties and Mounts comply with both the U.S. Food and Drug Administration HACCP standards and the European Union hygiene monitoring regulations. Choose from an array of materials, including Antimicrobial Nylon 6.6, Nylon 6.6, or Polypropylene which are designed to meet diverse industry standards. Elevating our commitment to cleanliness, our Cable Tie Installation Tools ingeniously hold cut-off tips temporarily, fortifying the prevention of process stream contamination. Trust in our comprehensive solution to not only meet but exceed your safety and regulatory requirements.



*HACCP = Hazard Analysis and Critical Control Points – a systematic preventive approach to food and pharmaceutical safety that addresses hazards as a means of prevention rather than finished product inspection.

KEY FEATURES AND BENEFITS

CABLE TIES & MOUNTS

Metal impregnated material:	Allows a cable tie or cable tie mount to be identified by metal detectors helping to reduce contamination in finished products. Contributes to compliance of manufacturing standards and HACCP regulations to demonstrate due diligence for consumer safety and quality inspections
Polypropylene or nylon material:	Suitable for use in a variety of environments, including areas subjected to harsh cleaning solvents providing long term durability (see material properties chart on page 4)
Antimicrobial Material:	Suitable for use in Food and Beverage facilities, protects against bacteria contamination. (see material properties chart on page 4)
Blue color:	Distinct color per common industry practices provides easy identification on conveyor belts and in finished products, reducing waste due to product contamination

CABLE TIES

One-piece cable tie design with locking wedge:	Provides low thread force for easy and reliable installation which improves productivity and reduces the potential for operator fatigue
Curved tip:	Easy to pick up tie from flat surfaces; allows faster initial threading
Smooth, round edges:	Safe and easy for installers to use, won't damage cable

MOUNTS

Cradle design mount:	Holds cables securely in place; provides maximum stability for cable bundle
Low Profile:	Space saver that's also designed for optimizing cable spacing

TECHNICAL INFORMATION

Outer Material:	Housing made of Nylon 6.6, 13% Glass-filled for high impact resistance and heat stabilized
Inner Material:	Inserts made of TPV, Shore 51A
Temperature:	-40F to 275F (-40C to 135C)
Max Torque:	10 lbf*ft (13 N*m)
Bolt size:	1/4" (M6)

Antimicrobial Metal Detectable Cable Ties and Mounts



Ordering Information

- Compliant with the U.S. Food and drug Administration HACCP* standards, the European Union (EU) hygiene monitoring regulations.
- Made with an EPA registered antimicrobial additive, and verified in independent laboratory test to inhibit the growth of various bacteria, mold and fungi on the surface of the cable tie itself in accordance with ISO 22196:2019 & ASTM G21-15 standards.

Cable Ties

Part Number	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Max. Bundle Dia. In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended Installation Tool	Pkg. Qty.*	Bulk Ctn. Qty.
Miniature Cross Section								
PLT1M-C96A	3.9 (100)	0.098 (2.5)	0.044 (1.1)	0.87 (22)	18 (80)	GTS-E, GS2B-E, PTS, PPTS, STS2	100	1,000
Intermediate Cross Section								
PLT2I-C96A	8.0 (203)	0.135 (3.4)	0.047 (1.2)	2.00 (51)	30 (133)	GTS-E, GS2B-E, PTS, PPTS, STS2	100	1,000
Standard Cross Section								
PLT2S-C96A	7.3 (186)	0.190 (4.8)	0.057 (1.4)	1.88 (47)	50 (222)	GTS-E, GS2B-E, GTH-E, GS4H-E, PTS, PTH, PPTS, STS2, STH2	100	1,000
PLT3S-C96A	11.4 (291)			3.0 (76)				
PLT4S-C96A	14.4 (366)			4.0 (102)				
Light-Heavy Cross Section								
PLT3H-L96A	11.4 (290)	0.3 (7.6)	0.075 (1.9)	3.0 (76)	120 (534)	GTH-E, GS4H-E, GS4EH-E, PTH, ST2H, ST3EH	50	500
PLT4H-L96A	14.4 (366)			4.0 (102)				

* Order number of pieces required, in multiples of Packages Quantity

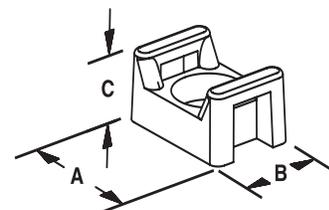
Cable Tie Mounts

Part Number	Used With Cable Ties	A Width In. (mm)	B Length In. (mm)	C Height In. (mm)	Counterbore Diameter In. (mm)	Mounting Method	Std. Pkg. Qty.*
TM2S8-C96A	Min., Int., Std.	0.630 (16.0)	0.422 (10.7)	0.275 (7.0)	0.325 (8.3)	#8 (M4) screw	100
TM3S8-C96A	Std., Lt. Hvy.	0.867 (22.0)	0.614 (15.6)	0.373 (9.5)	0.325 (8.3)	#8 (M4) screw	100
TM3S10-C96A					0.385 (9.8)	#10 (M5) screw	100

* Order number of pieces required, in multiples of Packages Quantity

Quality Assurance

All cable tie and mount packages contain a quality control number for complete product traceability; each lot passes metal detection as part of final product verification.



Metal Detectable Cable Ties and Mounts

Ordering Information

- Metal Impregnated material allows identification by metal detector inspection equipment and help meet food, beverage, and pharmaceutical safety standards, to help reduce product contamination, loss and recall.
- Metal Detectable Nylon material is ideal for maintenance and repair applications: ideal for use in control panels and overhead cable runs.

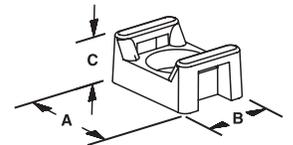


Cable Ties

Part Number	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Head Height In. (mm)	Head Width In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended Tools	Std. Pkg. Qty.*
Miniature Cross Section									
PLT1M-C86	3.9 (100)	0.098 (2.5)	0.044 (1.1)	0.186 (4.8)	0.188 (4.8)	0.87 (22)	18 (90)	GTS-E, GS2B-E	100
Intermediate Cross Section									
PLT2I-C86	8.0 (203)	0.135 (3.4)	0.047 (1.2)	0.180 (4.6)	0.240 (6.1)	2.00 (51)	30 (133)	GTS-E, GS2B-E	100
Standard Cross Section									
PLT2S-C86	7.3 (186)	0.190 (4.8)	0.057 (1.4)	0.240 (6.1)	0.320 (8.1)	1.85 (47)	50 (222)	GTS-E, GS2B-E, GTH-E, GS4H-E	100
PLT3S-C86	11.5 (291)					3.00 (76)			100
PLT4S-C86	14.4 (366)					4.00 (102)			100
Light-Heavy Cross Section (Straight Tip)									
PLT3H-L86	11.1 (282)	0.300 (7.6)	0.075 (1.9)	0.360 (9.1)	0.480 (12.2)	3.00 (76)	120 (534)	GTH-E, GS4H-E	50
PLT4H-L86	14.4 (366)					4.00 (102)			50

Cable Tie Mounts

Part Number	Used With Cable Ties	A Width In. (mm)	B Length In. (mm)	C Height In. (mm)	Counterbore Diameter In. (mm)	Mounting Method	Std. Pkg. Qty.*
TM2S8-C86	Min., Int., Std.	0.630 (16.0)	0.422 (10.7)	0.275 (7.0)	0.325 (8.3)	#8 (M4) screw	100
TM3S8-C86	Std., Lt. Hvy.	0.867(22.0)	0.614 (15.6)	0.373 (9.5)	0.325 (8.3)	#8 (M4) screw	100
TM3S10-C86					0.385 (9.8)	#10 (M5) screw	100



*Order number of pieces required in multiples of standard package quantity.

Quality Assurance

All cable tie and mount packages contain a quality control number for complete product traceability; each lot passes metal detection as part of final product verification.

Polypropylene Metal Detectable Cable Ties and Mounts

Ordering Information

- For use in processing and packaging areas where aggressive acid and alkaline chemicals are used to clean the equipment.
- Excellent chemical resistant cable tie and mount solution for food and pharmaceutical processing equipment manufacturing.

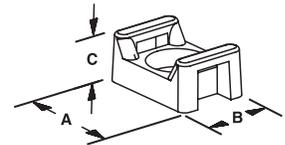


Cable Ties

Part Number	Length In. (mm)	Width In. (mm)	Thickness In. (mm)	Head Height In. (mm)	Head Width In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)	Recommended Tools	Std. Pkg. Qty.*
Miniature Cross Section									
PLT1M-C186	3.9 (100)	0.098 (2.5)	0.044 (1.1)	0.186 (4.8)	0.188 (4.8)	0.87 (22)	15 (67)	GTS-E, GS2B-E	100
Intermediate Cross Section									
PLT2I-C186	8.0 (203)	0.135 (3.4)	0.047 (1.2)	0.180 (4.6)	0.240 (6.1)	2.00 (51)	18 (80)	GTS-E, GS2B-E	100
Standard Cross Section									
PLT2S-C186	7.3 (186)	0.190 (4.8)	0.057 (1.4)	0.240 (6.1)	0.320 (8.1)	1.85 (47)	30 (133)	GTS-E, GS2B-E, GTH-E, GS4H-E	100
PLT3S-C186	11.5 (291)					3.00 (76)			100
PLT4S-C186	14.4 (366)					4.00 (102)			100
Light-Heavy Cross Section (Straight Tip)									
PLT3H-L186	11.1 (282)	0.300 (7.6)	0.075 (1.9)	0.360 (9.1)	0.480 (12.2)	3.00 (76)	60 (267)	GTH-E, GS4H-E	50
PLT4H-L186	14.4 (366)					4.00 (102)			50

Cable Tie Mounts

Part Number	Used With Cable Ties	A Width In. (mm)	B Length In. (mm)	C Height In. (mm)	Counterbore Diameter In. (mm)	Mounting Method	Std. Pkg. Qty.*
TM2S8-C186	Min., Int., Std.	0.630 (16.0)	0.422 (10.7)	0.275 (7.0)	0.325 (8.3)	#8 (M4) screw	100
TM3S8-C186	Std., Lt. Hvy.	0.867 (22.0)	0.614 (15.6)	0.373 (9.5)	0.325 (8.3)	#8 (M4) screw	100
TM3S10-C186					0.385 (9.8)	#10 (M5) screw	100



*Order number of pieces required in multiples of standard package quantity.

Technical Information Chart

Material Properties	Antimicrobial Nylon 6.6	Nylon 6.6	Polypropylene
Max. Continuous Use Temperature per Test Method UL 746B	185°F (85°C)	185°F (85°C)	239°F (115°C)
Tensile Strength	High**	High**	Moderate**
Water Absorption (24 hours) per ASTM D570	1.2% (absorbs water)	1.2% (absorbs water)	0.1% (resists water absorption)
Chemical Resistance			
Inorganic and Organic Acids	Good	Good	Excellent
Alkaline Cleaners	Good	Good	Excellent
Disinfectants and Sanitizers	Good	Good	Excellent
Bacteria Resistance	Excellent	N/A	N/A
Color	Light Blue	Light Blue	Dark Blue

Note: Polypropylene material is recommended for use with strong alkaline and acid based cleaners that are used in high concentrations and where extended cleaning soak times are the norm. In applications where temperatures run over 239°F (115°C), stainless steel ties and mounts are recommended (see back page).

**For exact Minimum Loop Tensile Strength information for each part number, please refer to table (above and on next page).

Metal Detectable Cable Ties and Mounts

Cable Tie Installation Tools

Antimicrobial Metal Detectable and Metal Detectable Cable Ties can be installed using Panduit GT series of ergonomic hand tools that capture cut-off tips of the ties during installation to help prevent product contamination. Panduit cable tie installation tools provide consistent results and speed installation to reduce installed cost.

Additional Benefits:

- Flush tie cut-off eliminates sharp edges and improves worker safety
- Lightweight, ergonomic, comfortable and easy to use



GTS-E

Installs PLT1M, PLT2I, PLT2S, PLT3S, PLT4S cable ties.



GTH-E

Installs PLT2S, PLT3S, PLT4S, PLT3H, PLT4H cable ties.



GS2B-E

Installs PLT1M, PLT2I, PLT2S, PLT3S, PLT4S cable ties.



GS4H-E

Installs PLT2S, PLT3S, PLT4S, PLT3H, PLT4H cable ties.

Related Products

Stainless Steel Cable Ties and Mounts

When strength, vibration, corrosion and temperature extremes are a factor, Stainless Steel Cable Ties and Mounts provide a strong, reliable system for cable bundling and mechanical fastening applications in harsh environments.

- Available in 304 and 316 grade stainless steel
- Cable tie loop tensile strength up to 1,200 Lbs.
- Continuous working temperatures up to 1000°F (538°C)



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