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Antimicrobial Metal Detectable Nylon Cable Ties & Mounts

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Antimicrobial Metal Detectable cable ties and mounts shall be engineered to support enhanced safety in the food, beverage, and pharmaceutical industries. Constructed from metal-impregnated materials, these products shall be identifiable by metal detection equipment and shall comply with U.S. Food and Drug Administration (FDA) HACCP standards as well as European Union (EU) hygiene monitoring regulations. Each product shall incorporate an EPA-registered antimicrobial additive, which shall inhibit the growth of bacteria, mold, and fungi on the product surface, as verified by independent laboratory tests per ISO 22196:2019 and ASTM G21-15 standards. The combination of advanced materials and rigorous testing shall ensure that these cable ties and mounts provide enhanced cleanliness and reliable performance for processing environments.



Miniature Cross Section 18lbs (80N) Min.	
Loop Tensile:	PLT1M-C96A
Intermediate Cross Section 30lbs (133N) Min.	
Loop Tensile:	PLT2I-C96A
Standard Cross Section 50lbs (222N) Min.	
Loop Tensile:	PLT2S-C96A PLT3S-C96A PLT4S-C96A
Light-Heavy Cross Section 120lbs (534N) Min.	
Loop Tensile:	PLT3H-L96A PLT4H-L96A
Recommended Installation Tools	
Hand Tools Tool controlled tension and cut-off:	GTS-E, GTH-E, GS2B-E, GS4H-E, GS4EH-E
Hand Tools installer controlled tension and cut-off:	STS2, STH2, ST3EH
Pneumatic Tools:	PTS, PPTS, PTH

TECHNICAL INFORMATION

Continuous Use Temperature Range:	-40°F – 185°F -40°C – 85°C
Tensile Strength:	High**
Water absorption (24 Hours):	1.2% per ASTM D570
Chemical Resistance: **Inorganic and Organic** **Acids Alkaline Cleaners** **Disinfectants and Sanitizers**	Good Good Good
Bacteria Resistance - Antimicrobial Properties:	Excellent
Halogen-Free:	Yes
RoHS Compliant:	Yes
Color:	Blue

KEY FEATURES AND BENEFITS

AM Series Nylon 6.6 Cable Ties:	**Triple Defense Against Contamination:** • A fusion of antimicrobial technology, metal detectability, and a distinctive blue color ensures a clean and safe environment. • Facilitates quick identification and removal of potentially contaminated ties, minimizing the risk of foreign object contamination, costly waste and product recalls.
	Antimicrobial Protection: • Embedded with a proven antimicrobial agent. • Independently laboratory tested to inhibit the growth of bacteria and harmful microorganisms on the cable tie surface.
	Metal Detectability for Enhanced Safety: • Incorporation of metal detectable properties aids in compliance with U.S. Food and Drug Administration HACCP*. • Easily identifiable by metal detection equipment, minimizing the risk of foreign material entering the production process.
	High Visibility for Quick Identification: • Bold blue color ensures high visibility in processing environments. • Signals commitment to cleanliness standards, preventing cross-contamination, ensuring safety compliance, and reducing downtime.
One-piece design with locking wedge:	Provides low thread force for easy and reliable installation; improves productivity and reduces operator fatigue
Curved, tapered tip:	Threads easily into head; installs quickly for improved productivity

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APPLICATIONS

Antimicrobial Metal Detectable Nylon 6.6 cable ties and mounts are suitable for use in food and beverage facilities, pharmaceutical, health care and other industries. Made from a compliant nylon resin and EPA registered antimicrobial additive, the material has been verified through independent laboratory test to be effective against a variety of bacteria, mold and fungi from growing on the surface of the product.

*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.

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)				

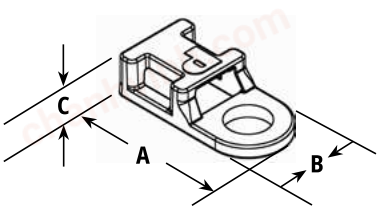
* Order number of pieces required, in multiples of Packages Quantity

CABLE TIE MOUNTS

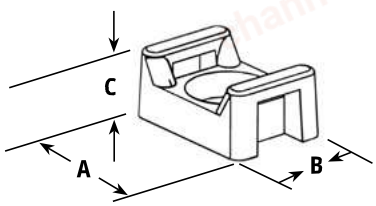
Part Number	Used with Cable Ties	A Length In. (mm)	B Width In. (mm)	C Height In. (mm)	Counterbore Diameter In. (mm)	Mounting Method	Std. Pkg. Qty.*
TA1S8-C96A	Min., Int., Std.	0.748 (19.0)	0.375 (9.5)	0.195 (5.0)	–	#8 (M4) screw	100
TM2S8-C96A		0.630 (16.0)	0.422 (10.7)	0.275 (7.0)	0.325 (8.3)		
TM3S8-C96A	Std. ,Lt. Hvy.	0.867 (22.0)	0.614 (15.6)	0.373 (9.5)			
TM3S10-C96A					0.385 (9.8)	#10 (M5) screw	

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

TA1 Mount



TM2/TM3 Mount



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TOOLS

Part Number	Used With Antimicrobial Nylon 6.6 Cable Ties	Description
Tool Controlled Tension and Cut-Off Tools		
GTS-E, GS2B-E	Miniature, Intermediate, Standard	Tool controlled tension tool consistently provide flush tie cut-offs to speed installation
GS4H-E, GTH-E	Standard, Light-Heavy	
GS4EH-E	Light-Heavy	
Installer Controlled Tension and Cut-Off Tools		
STS2	Miniature, Intermediate, Standard	Installer controlled tension tools are economical and ideal for low volume applications
STH2	Standard, Light-Heavy	
ST3EH	Light-Heavy	
Pneumatic Tools		
PTS, PPTS	Miniature, Intermediate, Standard	Pneumatic, push button operation tools tension and cut-off excess tie in a fraction of a second
PTH	Standard, Light-Heavy	



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