PANDUIT®



CABLE TIES

Product Selection Guide

Comprehensive Cable Tie Solutions

Panduit offers a broad selection of industry approved styles, sizes, and materials to meet a full range of electrical, industrial, and networking applications.

PLT Pan-Ty® Cable Ties

Most comprehensive product offering

SG Super-Grip® Cable Ties
Withstand rough installations

BT Dome-Top® Barb Ty Cable Ties

Metal locking barb; infinite adjustability

DT Dura-Ty® Cable Ties

Acetal material; 20+ years outdoor service life

CBR Contour-Ty® Cable Ties

Low profile head, parallel-entry, outside teeth

HV Hyper-V[™] Cable Ties

Teeth on both sides; 2-wedge locking design

SST Sta-Strap® Cable Ties

Two-piece design, low thread force, lightweight

ERT Elastomeric Cable Ties

Flexible, elastic material, UL 94V-0, releasable

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			I O VCI	NG NG			T Part		
	Product Family	PLT	SG	BT	DT	CBR	HV	SST	ERT
	Locking	✓	✓	✓	✓	✓	✓	✓	
1	Releasable	✓							✓
les les	Marker	✓		✓				✓	
Styles	Clamp	✓		✓				✓	
	Push Mount	✓		✓					
	Specialty	✓		✓				✓	
(0)	Miniature	✓	✓	✓		✓		✓	✓
Sections	Intermediate	✓	✓	✓		✓		✓	
E	Standard	✓	✓	✓		✓		✓	
Se	Heavy-Standard					✓			
SS	Light-Heavy	✓	✓	✓		✓	✓	✓	
Cross	Heavy	✓	✓		✓				
0	Extra-Heavy	✓			√				

Cable Tie Industry Approvals

Agency	Spec/Approval	Requirement	Products		
ABS (American Bureau of Shipping)	(American Bureau of Shipping) 05-HS463235-PDA		PLT and BT Series		
Bureau Veritas	Cert 05968/C0, BV File ACE 14/601/01 Product Code: 2535H	Bureau Veritas Rules for the Classification of Steel Ships	PLT, PRT, BT and CBR Series		
Det Norske Veritas	E-6405	Det Norske Veritas' Rules for Classification of Ships and Mobile Offshore Units	PLT, PLC, PLM, PRT, PLWP, PRWP and PRST Series		
Germanischer Lloyd	30562-83НН, 32666-83НН, 51796-89НН, 98731-96НН	Germanischer Lloyd Approval	PLT and BT Series		
Germany (VG) Military	K17/96066	VG 95 387 – 100 MS 3367F	PLT, BT and SST Series		
Korean Register of Shipping	NYK06431-EL001, EL002, EL003	Type Approval for the Rules for Classification of Steel Ships	PLT and BT Series Mounts		
Lloyd's Register of Shipping	89/60111 (E3)	Lloyd's Register Type Approval	PLT, PLC, PLP, PLWP, PLM, PRT, SST, SSC, SSM, BT, BC, BM, BF, B2M, B3M, BM, BW, BP, ILT and CBR Series		
Russian Maritime Register of Shipping	11130200	Russian Maritime Type Approval Certificate	PLT, PLC, PLM, PLF, SG, BT, BF, BM, BC, DT and CBR Series		
NRC (Nuclear Regulatory Commission)	NRC 10CFR50	Quality Assurance Criteria for Nuclear Plants and Reprocessing Plants	All cable tie products		
Nippon Kaiji Kyokai	85VZ004B, 85BZ005B, 85VZ006B	Nippon Kaiji Kyokai Type Approval	PLT2H-12H, PLT2EH-12EH, PR2EH-12EH and SST2H-8H		
US Military Aerospace Standard	QPL-AS23190-3	SAE spec AS23190	Select PLT, BT, SST, and CBR Series		

Material Selection Criteria

	Material	Test Method	Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Weather Resistant	Polypropylene	Weather Resistant	TEFZEL*	HALAR*	PEEK	Metal Detectable Nylon	Metal Detectable Polypropylene	DT Weather Resistant Acetal	ERT Flame Retardant TPU
	Color	_	Natural (other colors available)	Black	Black	Black	Natural	Black	Black	Natural Ivory	Black	Green	Black	Aqua Blue		Translucent Brown	Lt. Blue	Dark Blue	Black	Black
	Part Number Suffix (Material Designation)	_	No Suffix	0	0	30	39	300	60	69	120	109	100	76	702Y	71	86	186	N/A	20
	Tensile @ Yield @ 73°F (psi)	ISO 527	12,000	12,000	9,700	12,000	12,000	12,000	11,000	11,000	6,700	4,100	4,100	7,500	7,000	15,200	_	-	6,500	4,300
ical	Water Absorption (24 Hours)	ASTM D570	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	0.3%	0.1%	0.1%	<0.03%	<0.05%	0.5%	1.2%	0.1%	<0.45%	0.25%
char	Radiation Resistance (Rads)	_	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	3.5 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶	2 x 10 ⁸	2 x 10 ⁸	1 x 10 ⁹	_	1 x 10 ⁶	6 x 10 ⁵	_
Me	Weathering Life Expectancy (Years)/UV Resistance	_	1 – 2	7 – 9	7 – 9	4 – 5	1 – 2	7 – 9	1 – 2	1 – 2	12 – 15	1	7 – 9	>15	>15	_	_	1	>20	7 – 9 (Note 1)
	Impact Resistance	_	0	0	•	0	0	0	•	•	0	•	•	•	•	•	0	•	•	•
	Salts	_	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	
cal	Hydrocarbons (Oil, Lubricants)	_	•	•	•	•	•	•	•	•	•	0	0	•	•	•	•	0	•	0
emi	Chlorinated Hydrocarbons	_	•	•	•	•	•	•	•	•	•	0	0	•	•	•	•	0	•	
ည်ရှိ	Acids	_	•	•		•	•			•	•	•	•		•	0		•		•
	Bases	_	•	•	•	•	•	•	•	•	•		•			•	•	•	•	•
	Acid Rain	— III 746D	405%	40505	40505	020%	00000	04005	04005	04005	40405	_	00005		00005	50005	40505	00005	40505	40005
	Max. Continuous Use Temperature	UL 746B	185°F 85°C	185°F 85°C	185°F 85°C	239°F 115°C	239°F 115°C	212°F 100°C (Note 1)	212°F 100°C	212°F 100°C	194°F 90°C	239°F 115°C	239°F 115°C	338°F 170°C	302°F 150°C	500°F 260°C (Note 2)	185°F 85°C	239°F 115°C	185°F 85°C	122°F 50°C
ies	Min. Application Use Temperature	EN 50146	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-40°F -40°C	-40°F -40°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-76°F -60°C	-40°F -40°C
pert	Flammability Rating	UL 94	V-2	V-2	НВ	V-2	V-2	V-2	V-0	V-0	HB	НВ	НВ	V-0	V-0	V-0	HB	HB	HB	V-0
I Pro	Low Smoke	ASTM E662	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	_	_	_	_	PASS	_	_	PASS	_
rma	Oxygen Index	BS ISO 4589	28	28	_	28	28	28	34	34		_	_	30	52	35	_	_	_	26
T Pe	Halogen-Free	IEC 60754-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Burning Fume Toxicity	BSS-7239	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	_	_	_	_	_	_	_	_	_	_
	Heat Deflection Temperature @ 1.8 Mpa	ASTM D648 ISO 75 -1/-2	158°F 70°C	158°F 70°C	145°F 63°C	158°F 70°C	158°F 70°C	158°F 70°C	154°F 68°C	154°F 68°C	122°F 50°C	122°F 50°C	122°F 50°C	_	149°F 65°C	313°F 156°C	_	_	147°F 64°C	_
	Relative Price	_	Low	Low	Low	Low	Low	Med	Med	Med	Med	Med	Med	High	High	High	Low	Med	Med	High
	5 1 15 3				4.									1	T					
	Product Family Pan-Ty®Cable Ties PLT		/	Cross Se	LH, H, EH	/	/	/	1	/	1	/	√	1	/	/	1	/		
>	Super-Grip® Cable Ties SG			M, I, S, LH	Н	<u> </u>	•	•	•	v	•	•	•	•	•	•	•	•		
abilit	Dome-Top® Barb Ty Cable Ties BT		<u> </u>	M, I, S	LH	✓	/	1		/										
Avail	Dura-Ty [™] Cable Ties DT					<u> </u>				<u> </u>									1	
rial	Contour-Ty® Cable Ties CBR		✓	M, I, S, HS	LH	✓	√			✓										
Mate	Hyper-V [™] Cable Ties HV				LH															
	Sta-Strap® Cable Ties SST		✓	M, I, S, LH		✓														
	Elastomeric Cable Ties ERT																			1

Recommendation Legend									
Highest	High	Acceptable	Low	Lowest					
	•	0	•						

Check mark indicates material availability in that product family for all cross sections.

Cross Sections: SM = Subminiature, M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, EH = Extra-Heavy

Note 1: Estimated Note 2: Based upon UL RTI for electrical properties

■TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company.

▲HALAR is a registered trademark of Ausimont USA, Inc.

Bundling Systems for Network Cabling

Panduit has a comprehensive offering of cable ties that deliver reliability by protecting against over-tensioning of high performance fiber and copper cables. These ties are adjustable, releasable, and reusable to effectively support frequent moves, adds, and changes (MACs). A wide range of designs, sizes, and colors provides flexibility and an aesthetically pleasing appearance.



Tak-Ty® Loop Ties
Slot allows for pre-wrapping
of bundles



Tak-Ty® Strip Ties
Rolls perforated in convenient
6", 8", or 12" strips for use with
pre-determined bundle sizes



Tak-Ty® Rolls
Continuous rolls of 15' and 75'
can be cut to any length



Tak-Ty® Stacked Strips
- Eliminates cutting and staging
- 7" strips (100 pieces)



Tak-Ty® Cable Ties – Plenum Rated
UL approved for use in
air handling spaces



Ultra-Cinch ™ Ties
Cinch ring accommodates
tighter bundles



Elastomeric Cable Ties
- UL 94V-0 flammability rating
- Safe and releasable



Tak-Tape [™] **Rolls** General purpose fastener



Hook and Loop Wrap
Marker Ties
- Write-on identification area
- Custom imprinting available

Complete Your Bundling System

Tools



Manual Cable Tie Installation Tools

- Designed to speed installation for lower installed cost
- Flush tie cut-off limits exposure to sharp edges
- A full line of lightweight, ergonomic hand tools available
- Panduit leads the industry in reliability and performance



Automatic Cable Tie Installation Systems

- An efficient solution for high volume harnessing, assembly, fastening and packaging applications
- High speed tools lower installed cost and reduce operator fatigue
- Wrap, tension, and cut off cable ties in less than one second
- Microprocessor based controller monitors system performance for production data and reporting

Services



Custom Imprinting Service

- Products available for custom imprinting include cable ties, marker plates, marker and flag ties, hook and loop wrap ties
- Results in a professional, high quality appearance for identification and labeling as well as promotional purposes
- Options include company logos, website addresses, sequential numbering, phone numbers, graphics and text

Related Products



Cable Accessories

- Comprehensive line of mounts, clips, and clamps that organizes and routes cables, speeds and simplifies installations, and lowers overall installed cost Installation methods include adhesive backed, user applied adhesive, screws, rivets and push barb
- Accessories provide long term reliability while cable clips and clamps offer a one-piece solution to save time and reduce inventory



Stainless Steel Cable Ties

- Durable method of bundling, fastening and permanent identification in applications where severe environmental conditions exist
- Engineered for safety, productivity and durability by providing round edges and smooth surfaces, easy threading, high loop tensile strength and tight clamping



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