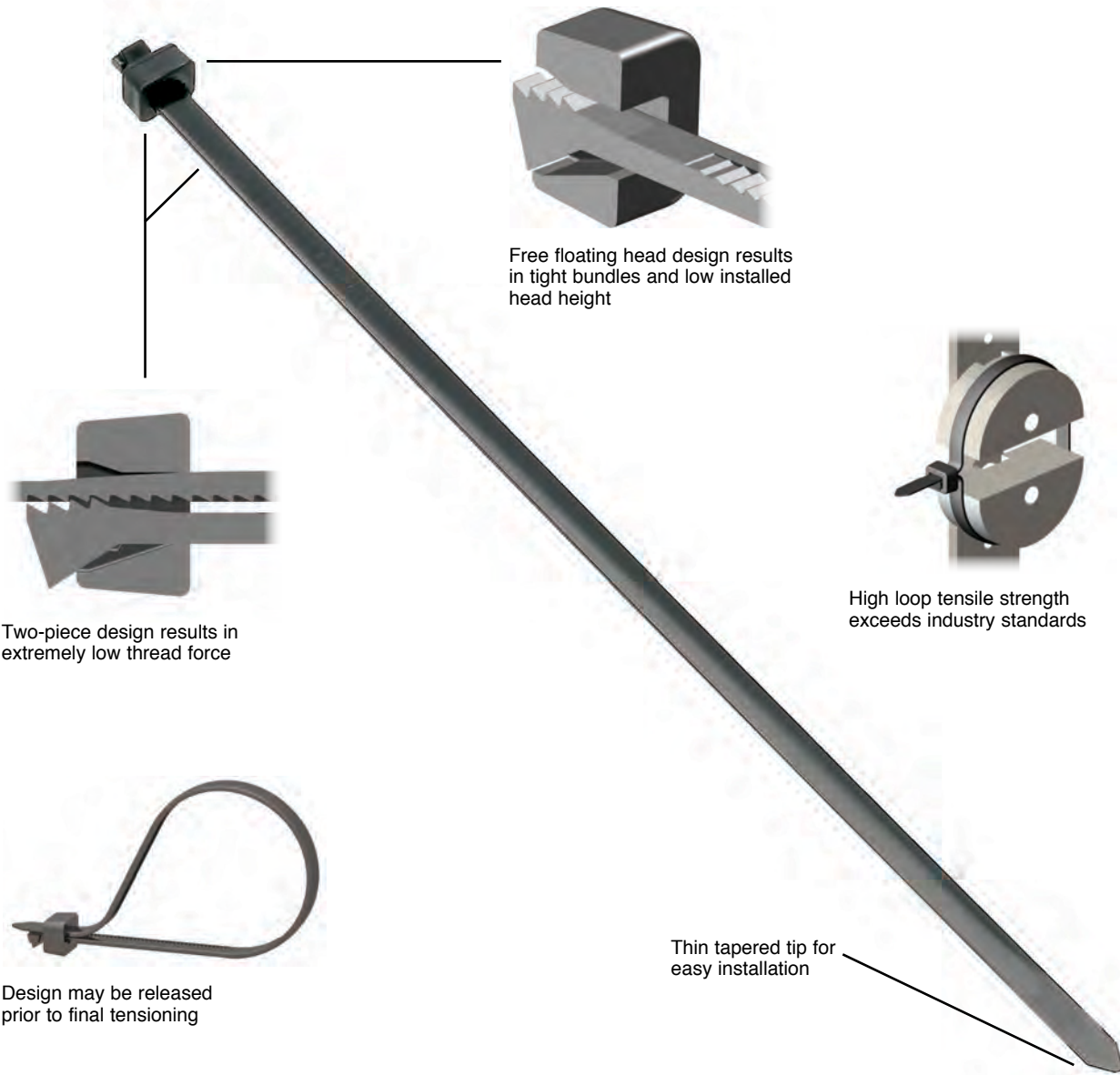


### Features and Benefits – Sta-Strap® Cable Ties

Two-piece design incorporates a separate nylon head and strap.



Free floating head design results in tight bundles and low installed head height

Two-piece design results in extremely low thread force

High loop tensile strength exceeds industry standards

Thin tapered tip for easy installation

Design may be released prior to final tensioning



Cable tie tools speed installation and reduce total installed cost.

Visit [www.panduit.com/tools](#).



Cable tie accessories are used to speed and simplify the mounting of wires, cables, and tubing.

See pages B2.1 – B2.26.

### Selection Guide – Sta-Strap® Cable Ties



Material, Color (Suffix)	Style/Function	Part Number Prefix	Catalog Page
Nylon 6.6, Natural (No Suffix)	Locking Ties/Bundle	SST	B1.65
	Clamp Ties/Mount	SSC	B1.67
	Marker Ties/Identify	SSM	B1.68
Weather Resistant Nylon 6.6, Black (0)	Locking Ties/Bundle	SST	B1.66
	Clamp Ties/Mount	SSC	B1.67
	Marker Ties/Identify	SSM	B1.68
Heat Stabilized Nylon 6.6, Black (30)	Clamp Ties/Mount	SSC	B1.67

### Part Number System for Sta-Strap® Cable Ties

<b>SST</b>	<b>1</b>	<b>M</b>	—	<b>C</b>	—
<b>Type</b>	<b>Size</b>	<b>Cross Section</b>	<b>Screw Hole Size</b>	<b>Package Size</b>	<b>Material/Color</b>
SST = Locking Tie SSC = Clamp Tie SSM = Flag Tie	Approx. Maximum Bundle Dia. (In.)	M = Miniature I = Intermediate S = Standard H = Heavy HH = Heavy Head	(Clamp Ties Only) -S6 = #6 (M3) -S10 = #10 (M5) -S25 = 1/4 (M6)	L = 50 C = 100 D = 500 M = 1000	See Page B1.69

## Sta-Strap® Cable Ties

### Material and Color Chart

Part Number	Color	Panduit Suffix
Nylon 6.6	Natural	✓
Weather Resistant Nylon 6.6	Black	0
Nylon 6.6	Red	2

✓ Denotes Panduit® Natural Nylon 6.6 (no suffix).

Part Number	Color	Panduit Suffix
Nylon 6.6	Black	20
Heat Stabilized Nylon 6.6	Black	30

### Part Number Availability List

Standard Packaging			Bulk Packaging		
Part Number	Natural Nylon 6.6	Material/Color Suffix	Part Number	Natural Nylon 6.6	Material/Color Suffix
SSC2S-S6-C	✓		SSC2S-S6-M	✓	0
SSC2S-S10-C	✓		SSC2S-S10-M	✓	0,30
SSC4S-S10-C	✓		SSC4S-S10-M	✓	0
SSC4H-S25-L	✓		SSC4H-S25-D	✓	0
SSM2S-C	✓		SSM2S-D	✓	0
			SSM4S-D	✓	
SST1M-C	✓	0	SST1M-M	✓	0,20,30
SST1.5M-C	✓		SST1.5M-M	✓	0,20,30
SST1.5I-C	✓		SST1.5I-M	✓	0
SST2I-C	✓		SST2I-M	✓	0
SST3I-C	✓	0	SST3I-M	✓	0
SST4I-C	✓		SST4I-M	✓	0
			SST1.5S-M	✓	0
SST2S-C	✓	0	SST2S-M	✓	0,20,30
SST3S-C	✓	0	SST3S-M	✓	0,20,30
SST4S-C	✓	0	SST4S-M	✓	0,2,30
			SST2H-D	✓	0
			SST2HH-D		30
SST4H-L	✓	0	SST4H-D	✓	0,30
		0	SST4HH-D		30
SST8H-L	✓	0	SST8H-D	✓	0,30

### Cable Tie Selection Chart

Follow this step-by-step process to find the cable ties that best suit your application:

**Cable Tie Function**  
 1) Select the main function of the cable tie you need:  
 Bundle = Standard Cable Ties  
 Re-use = Nylon Releasable Ties\*  
 Identify = Marker and Flag Ties  
 Mount = Clamp Ties, Push Mount Ties, and Stud Mount Ties

**Material Properties**  
 2) Determine the appropriate material for your application:  
 Mechanical  
 Chemical  
 Thermal

**Cable Tie Family**  
 3) Select the cable tie family that meets your overall needs

	Cable Tie Function	Test Method	Bundle, Re-use, Identify, Mount	Bundle, Re-use, Identify, Mount	Bundle, Re-use, Mount	Bundle, Re-use, Mount	Bundle	Bundle					
C1. Wiring Duct	Material		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					
	Color	—	Natural	Black	Black	Black	Natural	Black					
	Part Number Suffix (Material Designation)	—	No Suffix	0	0	30	39	300					
C2. Abrasion Protection	Tensile @ Yield @ 73°F (psi)	ISO 527	12,000	12,000	9,700	12,000	12,000	12,000					
	Water Absorption (24 Hours)	ASTM D570	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%					
	Radiation Resistance (Rads)	—	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>					
C3. Cable Management	Weathering Life Expectancy (Years)/ UV Resistance	—	1 – 2	7 – 9	7 – 9	4 – 5	1 – 2	7 – 9					
	Impact Resistance	—	○	○	●	○	○	○					
	D1. Terminals	Salts	—	●	●	●	●	●	●				
Hydrocarbons (Gas, Oil, Lubricants)		—	●	●	●	●	●	●					
Chlorinated Hydrocarbons		—	●	●	●	●	●	●					
Acids		—	●	●	●	●	●	●					
Bases		—	●	●	●	●	●	●					
Acid Rain		—	●	●	●	●	●	●					
D2. Power Connectors	Continuous Use Temperature Range	UL 746B	-76°F - 185°F -60°C - 85°C	-76°F - 185°F -60°C - 85°C	-76°F - 185°F -60°C - 85°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C					
	Minimum Installation Temperature	UL 62275	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)					
	Flammability Rating	UL 94	V-2	V-2	HB	V-2	V-2	V-2					
D3. Grounding Connectors	Low Smoke	ASTM E662	PASS	PASS	PASS	PASS	PASS	PASS					
	Oxygen Index	BS ISO 4589	28	28	—	28	28	28					
	Halogen-Free	IEC 60754-2	Yes	Yes	Yes	Yes	Yes	Yes					
E1. Labeling Systems	Burning Fume Toxicity	BSS-7239	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					
	Relative Price	—	Low	Low	Low	Low	Low	Med					
E2. Labels	E3. Pre-Printed & Write-On Markers	E4. Permanent Identification	E5. Industrial Safety Solutions	F. Keystone Cabling Systems	G. Part Number Index	Cable Tie Catalog Page	Product Line						
							Pan-Ty®	✓	SM, M, I, S	LH, H, EH	✓	✓	✓
							Super-Grip® (B1.38)	✓	M, I, S, LH	H	✓		
Dome-Top® Barb Ty (B1.43)	✓	M, I, S	LH	✓	✓	✓							
Dura-Ty™ (B1.53)													
Parallel-Entry (B1.56)	✓	M, I, S, HS	LH		✓								
Sta-Strap® (B1.65)	✓	M, I, S, LH, H		✓									
Specialty Ties (B1.73)	✓		H	✓		✓							

Check mark indicates material availability in that product line.  
 Cross Sections: SM = Subminiature, M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, EH = Extra-Heavy.  
 \*For information on re-usable Hook and Loop Cable Ties, see page B1.81.

Recommendation Legend	Highest	High	Acceptable	Low	Lowest

Bundle	Bundle, Identify	Bundle	Bundle	Bundle, Re-use	Bundle	Bundle	Bundle	Bundle	Bundle	Bundle
Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Weather Resistant Nylon 12	Polypropylene	Weather Resistant Polypropylene	TEFZEL ■	HALAR ▲	PEEK	Metal Detectable Nylon 6.6	Metal Detectable Polypropylene	Weather Resistant Acetal
Black	Natural Ivory	Black	Green	Black	Aqua Blue	Maroon	Brown	Blue	Blue	Black
60	69	120	109	100	76	702Y	71	86	186	N/A
11,000	11,000	6,700	4,100	4,100	7,500	7,000	15,200	—	—	6,500
1.1%	1.1%	0.3%	0.1%	0.1%	<0.03%	<0.05%	0.5%	1.2%	0.1%	<0.45%
1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	3.5 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>	2 x 10 <sup>8</sup>	2 x 10 <sup>8</sup>	1 x 10 <sup>9</sup>	—	1 x 10 <sup>6</sup>	6 x 10 <sup>5</sup>
1 – 2	1 – 2	12 – 15	1	7 – 9	>15	>15	—	—	1	>20
								—		
-76°F - 212°F -60°C - 100°C	-76°F - 212°F -60°C - 100°C	-76°F - 194°F -60°C - 90°C	-76°F - 239°F -60°C - 115°C	-76°F - 239°F -60°C - 115°C	-76°F - 338°F -60°C - 170°C	-76°F - 257°F -60°C - 125°C	-76°F - 257°F -60°C - 125°C	-76°F - 500°F -60°C - 260°C	-76°F - 239°F -60°C - 115°C	-76°F - 185°F -60°C - 85°C
-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)	-4°F or +32°F -20°C or 0°C (Note 1)
V-0	V-0	HB	HB	HB	V-0	V-0	V-0	HB	HB	HB
PASS	PASS	—	—	—	—	—	PASS	—	—	PASS
34	34	—	—	—	30	52	35	—	—	—
Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
PASS	PASS	—	—	—	—	—	—	—	—	—
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	145°F 63°C	122°F 50°C	239°F 115°C
Med	Med	Med	Med	Med	High	High	High	Low	Med	Med


Note 1: Check UL file for the specific part number rating

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 Solvay Solexis