

## Dome-Top® Barb Ty Cable Ties

The two-piece design incorporates a stainless steel locking barb which provides infinite adjustability through entire bundle range. High loop tensile strength exceeds industry standards and the patented low thread force design reduces operator fatigue and improves productivity. This comprehensive product line offers several styles, materials, and colors for a broad range of applications that require high strength and superior performance.



### Key Features

### Benefits

<b>Dome-Top head</b>	Smooth, round edges; easy for installers to handle
<b>Stainless steel locking barb</b>	Provides consistent performance, reliability, and infinite adjustability through entire bundle range
<b>High tensile strength</b>	Exceeds industry and Aerospace Standards SAE AS23190A; available in four tensile strengths
<b>Low thread force</b>	Reduces installer fatigue; increases productivity
<b>Anti-slip strap body</b>	Ribbed and stippled strap body prevents axial and lateral movement
<b>Finger tip grip</b>	Exclusively designed finger grip assures positive grip during threading of tie
<b>Curved tip (except light-heavy)</b>	Orients tip toward head for faster initial threading to speed installation; easy to pick up from flat surfaces

### Applications



Dome-top head with smooth, round edges



Infinite adjustability



Anti-slip strap body and finger tip grip



Comprehensive selection

# Dome-Top® Barb Ty Cable Ties



## Locking Ties

- Bundle wires or cables quickly and easily
- Infinite adjustability

Part Number	Length In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)
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### Miniature Cross Section

BT1M-C	4.0 (102)	0.90 (23)	18 (80)
BT1.5M-C	6.3 (160)	1.50 (38)	
BT2M-C	7.9 (201)	2.00 (51)	
BT4M-C	14.2 (361)	4.00 (102)	

### Intermediate Cross Section

BT1.5I-C	6.1 (155)	1.50 (38)	40 (178)
BT2I-C	8.0 (203)	2.00 (51)	
BT3I-C	11.3 (287)	3.00 (76)	
BT4I-C	14.3 (363)	4.00 (102)	

### Standard Cross Section

BT2S-C	8.0 (203)	2.00 (51)	50 (222)
BT3S-C	12.0 (305)	3.00 (76)	
BT4S-C	15.1 (384)	4.00 (102)	

### Light-Heavy Cross Section (Straight tip)

BT2LH-L	8.7 (221)	2.00 (51)	120 (534)
BT3LH-L	11.8 (300)	3.00 (76)	
BT4LH-L	14.9 (378)	4.00 (102)	
BT5LH-L	18.1 (460)	5.00 (127)	
BT6LH-L	21.2 (538)	6.00 (152)	
BT7LH-L	24.4 (620)	7.00 (178)	
BT8LH-L	27.5 (699)	8.00 (203)	
BT9LH-L	30.7 (780)	9.00 (229)	



## Push-Mount Ties

- Used to attach bundles to another surface such as a flat panel; combines cable tie, mount, and fastener into a single part
- Anchor is easily pressed into a pre-formed hole and locks in place
- Wing design (BW) provides constant tension for a stable, secure, and rattle-free installation
- Wingless design (BP) allows tie to be used in confined areas

BP, BW designs

Bulk Part Number	Length In. (mm)	Max. Panel Thickness In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)
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### Intermediate Cross Section (Wing design)

BW1.5I-D	6.6 (168)	0.093 (2.4)	1.50 (38)	40 (178)
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### Standard Cross Section (Wing design)

BW2S-D	8.5 (216)	0.156 (4.0)	2.00 (51)	50 (222)
BW3S-D	12.5 (318)	0.156 (4.0)	3.00 (76)	

### Standard Cross Section (Wingless design)

BW2S-D0	8.5 (216)	0.156 (4.0)	2.00 (51)	50 (222)
BP2S-D0	8.5 (216)	0.125 (3.2)	2.00 (51)	50 (222)



## Clamp Ties

- Used to secure a cable bundle to another surface such as a control panel, communication rack, wall, or ceiling
- Design allows for bundling before or after screwing clamp in place

Part Number	Length In. (mm)	Hole Diameter In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)
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### Miniature Cross Section

BC1M-S4-M	4.6 (117)	0.122 (3.1)	0.90 (23)	18 (80)
BC2M-S4-M	8.3 (211)	0.122 (3.1)	2.00 (51)	

### Intermediate Cross Section

BC1.5I-S8-M	6.6 (168)	0.174 (4.4)	1.50 (38)	40 (178)
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### Standard Cross Section

BC2S-S10-C	8.5 (216)	0.200 (5.1)	2.00 (51)	50 (222)
BC3S-S10-D	12.5 (318)	0.200 (5.1)	3.00 (76)	
BC4S-S10-C	15.6 (396)	0.200 (5.1)	4.00 (102)	

### Light-Heavy Cross Section (Straight tip)

BC4LH-S25-L	15.5 (394)	0.260 (6.6)	4.00 (102)	120 (534)
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## Marker and Flag Ties

- Used to fasten and identify bundles at the same time
- Can be marked with Panduit marker pens or custom imprinted with text, symbols, logos, website addresses, sequential numbering, phone numbers, or graphics using Panduit Custom Imprinting Service

Bulk Part Number	Marker Type	Write-On Area In. (mm)	Length In. (mm)	Max. Bundle Diameter In. (mm)	Min. Loop Tensile Strength Lbs. (N)
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### Miniature Cross Section

BF1M-C	Flag	0.36 x 0.81 (9.1 x 20.6)	4.6 (117)	0.90 (23)	18 (80)
BF2M-C	Flag		8.3 (211)	2.00 (51)	
BM1M-C	Wrap	0.29 x 1.09 (7.4 x 27.7)	4.2 (107)	0.90 (23)	
BM2M-C	Wrap		7.9 (201)	2.00 (51)	

### Standard Cross Section

BM2S-C	Wrap	0.49 x 0.91 (12.4 x 23.1)	8.0 (203)	2.00 (51)	50 (222)
BM4S-C	Wrap	0.50 x 2.13 (12.7 x 54.1)	15.1 (384)	4.00 (102)	
B2M2S-D	Wrap	1.15 x 0.91 (29.2 x 23.1)	8.0 (203)	2.00 (51)	
B3M2S-TL	Wrap	1.81 x 0.91 (46.0 x 23.1)			
B4M2S-TL	Wrap	2.47 x 0.91 (62.7 x 23.1)			

## Material and Color Chart

Material	Color	Panduit Suffix
Nylon 6.6	Natural	✓
Weather Resistant Nylon 6.6	Black	0
Nylon 6.6	Brown	1
Nylon 6.6	Red	2
Nylon 6.6	Orange	3
Nylon 6.6	Yellow	4Y
Nylon 6.6	Green	5
Nylon 6.6	Blue	6

✓Denotes Panduit Natural Nylon 6.6 (no suffix).

Material	Color	Panduit Suffix
Nylon 6.6	Purple	7
Nylon 6.6	Gray	8
Nylon 6.6	White	10
Nylon 6.6	Telephone Gray	14
Nylon 6.6	Black	20
Heat Stabilized Nylon 6.6	Black	30
Heat Stabilized Nylon 6.6	Natural	39
Flame Retardant Nylon 6.6	Ivory	69
Heat Stabilized Weather Resistant Nylon 6.6	Black	300

## 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
			BC1M-S4-M	✓	0
			BC2M-S4-M	✓	0
			BC1.5I-S8-M	✓	0
BC2S-S10-C	✓	0	BC2S-S10-D	✓	0
			BC3S-S10-D	✓	0
BC4S-S10-C	✓	0	BC4S-S10-D	✓	0,30
BC4LH-S25-L	✓	0	BC4LH-S25-TL	✓	0
BF1M-C	✓		BF1M-M	✓	0
BF2M-C	✓		BF2M-M	✓	0
BM1M-C	✓		BM1M-M	✓	0
BM2M-C	✓		BM2M-M	✓	0
BM2S-C	✓		BM2S-D	✓	0
BM4S-C	✓		BM4S-D	✓	0
			BP2S-D		0
BT1M-C	✓	0,30	BT1M-M	✓	0, 1,2,3,4Y,5,6,7,8,10,30,39,69,300
			BT1M-XMR	✓	0,30
BT1.5M-C	✓	0	BT1.5M-M	✓	0,30,69
			BT1.5M-XMR	✓	0,30
BT2M-C	✓	0	BT2M-M	✓	0,2,3,4Y,5,6,8,30
BT4M-C	✓	0	BT4M-M	✓	0
BT1.5I-C	✓	0	BT1.5I-M	✓	0, 1,2,3,4Y,5,6,7,8,10,30,39
BT2I-C	✓	0	BT2I-M	✓	0,30,300
BT3I-C	✓	0	BT3I-M	✓	0,14,30,69
BT4I-C	✓	0	BT4I-M	✓	0,14
BT2S-C	✓	0	BT2S-M	✓	0,1,2,3,4Y,5,6,7,8,10,20,30,39,69,300
BT3S-C	✓	0,2	BT3S-M	✓	0,30,39,69,300
BT4S-C	✓	0	BT4S-M	✓	0,2,3,4Y,5,6,7,8,10,30,39,300
BT2LH-L	✓	0	BT2LH-TL	✓	0,300
BT3LH-L	✓	0	BT3LH-TL	✓	0
BT4LH-L	✓	0	BT4LH-TL	✓	0,30,39,69,300
BT5LH-L	✓	0	BT5LH-C	✓	0,300
BT6LH-L	✓	0	BT6LH-C	✓	0,69,300
BT7LH-L	✓	0	BT7LH-C	✓	0
BT8LH-L	✓	0	BT8LH-C	✓	0,300
BT9LH-L	✓	0	BT9LH-C	✓	0,300
			BW1.5I-D	✓	
			BW2S-D	✓	0
			BW3S-D	✓	0
			B2M2S-D	✓	0
			B3M2S-TL	✓	0
			B4M2S-TL	✓	0

# Dome-Top® Barb Ty Cable Ties

## Operating Temperatures, Flammability Ratings, and UL Listings

Material	Color	Part Number Suffix	Minimum Application Use Temperature Per EN 50146	Maximum Operating Temperature Per UL 746B	Flammability Rating Per UL 94	UL LISTED		UL LISTED	
						UL LISTED	UL LISTED	UL LISTED	UL LISTED
Nylon 6.6	Natural	No Suffix	-76°F (-60°C)	185°F (85°C)	UL 94V-2	Locking	Yes	Locking	Yes
						Clamp	Yes	Clamp	Yes
						Marker/Flag	No	Marker/Flag	Yes
						Push Mount	No	Push Mount	Yes
Nylon 6.6	11 Colors	Various (See Page 3)	-76°F (-60°C)	185°F (85°C)	UL 94V-2	Locking	Yes	Locking	Yes
						Clamp	Yes	Clamp	Yes
						Marker/Flag	No	Marker/Flag	Yes
						Push Mount	No	Push Mount	Yes
Weather Resistant Nylon 6.6	Black	0	-76°F (-60°C)	185°F (85°C)	UL 94V-2	Locking	Yes except LH	Locking	Yes except LH
						Clamp	No	Clamp	Yes except BC4LH-S25-L0
						Marker/Flag	No	Marker/Flag	Yes
						Push Mount	No	Push Mount	Yes
Heat Stabilized Nylon 6.6	Black	30	-76°F (-60°C)	239°F (115°C)	UL 94V-2	Locking	Yes	Locking	Yes
						Clamp	No	Clamp	Yes
						Marker/Flag	N/A	Marker/Flag	N/A
						Push Mount	N/A	Push Mount	N/A
Heat Stabilized Nylon 6.6	Natural	39	-76°F (-60°C)	239°F (115°C)	UL 94V-2	Locking	Yes	Locking	Yes
						Clamp	N/A	Clamp	N/A
						Marker/Flag	N/A	Marker/Flag	N/A
						Push Mount	N/A	Push Mount	N/A
Flame Retardant Nylon 6.6	Ivory	69	-40°F (-40°C)	212°F (100°C)	UL 94V-0	Locking	No	Locking	Yes
						Clamp	N/A	Clamp	N/A
						Marker/Flag	N/A	Marker/Flag	N/A
						Push Mount	N/A	Push Mount	N/A
Heat Stabilized Weather Resistant Nylon 6.6	Black	300	-76°F (-60°C)	212°F (100°C)	UL 94V-2	Locking	No	Locking	Yes
						Clamp	N/A	Clamp	N/A
						Marker/Flag	N/A	Marker/Flag	N/A
						Push Mount	N/A	Push Mount	N/A



GTS

### Tool Controlled Tension and Cut-off

- Ergonomic design
- Tool controlled tension and cut-off
- High reliability

	Miniature	Intermediate	Standard	Light-Heavy
GTS	X	X	X	
GTSL	X	X	X	
GS2B	X	X	X	
GTH			X	X
GS4H			X	X
GS4EH				X



STH2

### Installer Controlled Tension and Cut-off

- Economical
- Manual tension and cut-off
- For low volume applications

	Miniature	Intermediate	Standard	Light-Heavy
STS2	X	X	X	
STH2			X	X
ST3EH				X
STHV				X



PTS

### Pneumatic, Tool Controlled Tension and Cut-off

- Ergonomic design, push button operation
- Tool controlled tension and cut-off
- High reliability

	Miniature	Intermediate	Standard	Light-Heavy
PTS	X	X	X	
PTH			X	X

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