

A. System Overview

Features and Benefits – Pan-Steel® Cable Ties

Panduit® Pan-Steel® Stainless Steel Ties are engineered for safety, productivity, and durability by providing round edges and smooth surfaces, easy threading, high loop tensile strength and tight clamping.

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

Self-Locking Head Construction

***Aggressive locking head**
Quicker locking, tighter installation

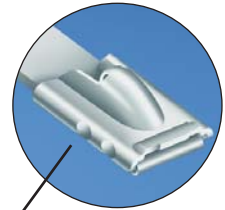
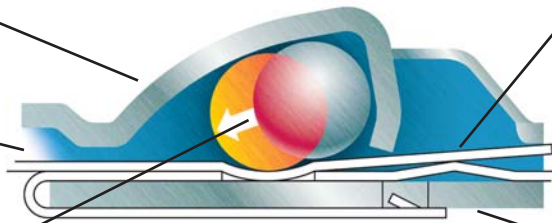
Unique locking ramp
Assures locking in any position

***Lead in design**
Wider entrance for easier threading

Strengthening ribs
Stronger head increases lock strength

***Innovative displacement lock**
Assures superior locking strength

Extended retaining tab
Increases overall tie strength



*Patented

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

Fully Rounded Edges

Self-Locking for Fast Installation



Panduit tie body



Other manufacturer's tie body

The Pan-Steel® Stainless Steel Cable Tie features fully rounded edges to assure bundle protection and operator safety. Panduit not only removes the burr, but actually passes the material through a secondary process which removes the top and bottom corners of the material.



Self-locking design can be fastened by hand requiring no fold over or additional installation steps.



Pan-Steel® Installation Tools for adjustable tension control and automatic cut-off for quick, consistent, and secure installation.

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index



Large selection of installation tools, the proper tool available to meet the requirements of every application. See pages B3.14 – B3.16.



Pan-Steel® System Accessories are used with Pan-Steel® Stainless Steel Cable Ties to speed and simplify the mounting of wires, cables, and tubing. Installation methods include screw mounts and push mounts. See pages B3.26 – B3.29.



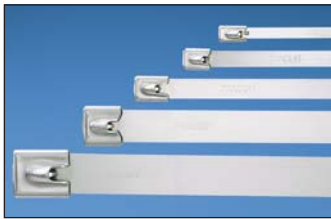
Pan-Steel® Permanent Identification Solutions are designed for use with Panduit® Pan-Steel® Stainless Cable Ties and Pan-Alum™ Aluminum Cable Ties for quick and easy on-demand identification in harsh environments. See pages E4.1 – E4.6.

Part Number System for Pan-Steel® Cable Ties

MLT	6	S	—	CP	—
Type	Bundle Diameter Reference (In.)	Cross Section		Standard Package Size	Material
MLT = Metal Locking Tie		S = Standard LH = Light Heavy H = Heavy EH = Extra-Heavy EH15 = Extra-Heavy-15 SH = Super-Heavy		Q = 25 L* = 50 LP** = 50 CP = 100 *Standard Cross Section **Heavy Cross Section	(blank) = 304 316 = 316

Pan-Steel® Self-Locking Cable Ties – MLT Series

- Self-locking head design speeds installation and locks into place at any length along the tie body
- Provides a strong, durable method of cable bundling
- Can be used in a wide range of indoor, outdoor, and underground (including direct burial) applications
- Smooth surfaces and rounded edges assures cable protection and worker safety
- Available in AISI 304 stainless steel for general-purpose applications
- Available in AISI 316 stainless steel for the most corrosive environments



Part Number	Max. Bundle Diameter		Length*		Min. Loop Tensile Strength**		Min. Bundle Diameter		Width		Thickness		Recommended Installation Tool***	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	Lbs.	N	In.	mm	In.	mm	In.	mm			

AISI 304 Stainless Steel – For General Purpose

Standard Cross Section

MLT1S-CP	1.0	25	5.0	127	200	890	0.50	12.7	0.18	4.6	0.010	0.25	GS4MT, HTMT, PPTMT, ST2MT	100	500
MLT2S-CP	2.0	51	7.9	201	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT2S-L	2.0	51	7.9	201	200	890	0.50	12.7	0.18	4.6	0.010	0.25		50	500
MLT2.7S-CP	2.7	69	10.2	259	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT4S-CP	4.0	102	14.3	362	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT4S-L	4.0	102	14.3	362	200	890	0.50	12.7	0.18	4.6	0.010	0.25		50	500
MLT6S-CP	6.0	152	20.5	521	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT8S-CP	8.0	203	26.8	679	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT10S-CP	10.0	254	33.0	838	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500
MLT12S-Q	12.0	304	39.3	998	200	890	0.50	12.7	0.18	4.6	0.010	0.25		25	125
MLT14S-Q	14.0	355	45.5	1156	200	890	0.50	12.7	0.18	4.6	0.010	0.25		25	125
MLT15S-Q	15.0	380	49.2	1250	200	890	0.50	12.7	0.18	4.6	0.010	0.25		25	125

*Other lengths available, contact Panduit Customer Service.

**Per SAE Standard AS23190/3 (formerly MIL). For additional details, refer to page B3.32.

***For information on installation tools, refer to pages B3.14 – B3.16.

Table continued on page B3.6

A. System Overview



Pan-Steel® Self-Locking Cable Ties – MLT Series (continued)

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Part Number	Max. Bundle Diameter		Length*		Min. Loop Tensile Strength**		Min. Bundle Diameter		Width		Thickness		Recommended Installation Tool***	Std. Pkg. Qty.	Std. Ctn. Qty.	
	In.	mm	In.	mm	Lbs.	N	In.	mm	In.	mm	In.	mm				
Light-Heavy Cross Section																
MLT2LH-LP	2.0	51	7.9	201	250	1112	0.50	12.7	0.25	6.4	0.010	0.25	GS4MT, HTMT, PPTMT, ST2MT	50	250	
MLT4LH-LP	4.0	102	14.3	362	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	
MLT6LH-LP	6.0	152	20.5	521	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	
MLT8LH-LP	8.0	203	26.8	679	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	
Heavy Cross Section																
MLT2H-LP	2.0	51	7.9	201	450	2000	0.50	12.7	0.31	7.9	0.010	0.25	GS4MT, ST2MT, HTMT, PPTMT, PBTMT	50	250	
MLT2.7H-LP	2.7	69	10.2	259	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250	
MLT4H-LP	4.0	102	14.3	362	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250	
MLT6H-LP	6.0	152	20.5	521	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250	
MLT8H-LP	8.0	203	26.8	679	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250	
MLT10H-LP	10.0	254	33.0	838	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250	
MLT12H-Q	12.0	304	39.3	998	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		25	125	
MLT14H-Q	14.0	355	45.5	1156	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		25	125	
Extra-Heavy Cross Section																
MLT4EH-LP	4.0	102	17.1	434	600	2670	1.00	25.4	0.50	12.7	0.010	0.25		ST2MT, RT2HT, RT2HTN, PBTMT	50	250
MLT6EH-LP	6.0	152	23.4	594	600	2670	1.00	25.4	0.50	12.7	0.010	0.25	50		250	
MLT8EH-LP	8.0	203	29.7	754	600	2670	1.00	25.4	0.50	12.7	0.010	0.25	50		250	
MLT10EH-LP	10.0	254	35.9	912	600	2670	1.00	25.4	0.50	12.7	0.010	0.25	50		250	
MLT12EH-Q	12.0	305	42.2	1072	600	2670	1.00	25.4	0.50	12.7	0.010	0.25	25		125	
MLT4EH15-LP	4.0	102	17.1	434	700	3115	1.00	25.4	0.50	12.7	0.015	0.38	50		250	
MLT6EH15-LP	6.0	152	23.4	594	700	3115	1.00	25.4	0.50	12.7	0.015	0.38	50		250	
MLT8EH15-LP	8.0	203	29.7	754	700	3115	1.00	25.4	0.50	12.7	0.015	0.38	50		250	
MLT10EH15-LP	10.0	254	35.9	912	700	3115	1.00	25.4	0.50	12.7	0.015	0.38	50		250	
MLT12EH15-Q	12.0	305	42.2	1072	700	3115	1.00	25.4	0.50	12.7	0.015	0.38	25		125	
Super-Heavy Cross Section																
MLT4SH-LP	4.0	102	17.1	434	900	4005	1.00	25.4	0.63	15.9	0.015	0.38	RT2HT, RT2HTN, PBTMT	50	250	
MLT6SH-LP	6.0	152	23.4	594	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		50	250	
MLT8SH-LP	8.0	203	29.7	754	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		50	250	
MLT10SH-LP	10.0	254	35.9	912	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		50	250	
MLT12SH-Q	12.0	305	42.2	1072	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		25	125	
AISI 316 Stainless Steel – For Superior Corrosion Resistance																
Standard Cross Section																
MLT1S-CP316	1.0	25	5.0	127	200	890	0.50	12.7	0.18	4.6	0.010	0.25	GS4MT, HTMT, PPTMT, ST2MT	100	500	
MLT2S-CP316	2.0	51	7.9	201	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500	
MLT2.7S-CP316	2.7	69	10.2	259	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500	
MLT4S-CP316	4.0	102	14.3	362	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500	
MLT6S-CP316	6.0	152	20.5	521	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500	
MLT8S-CP316	8.0	203	26.8	679	200	890	0.50	12.7	0.18	4.6	0.010	0.25		100	500	
MLT10S-CP316	10.0	254	33.0	838	200	890	0.50	12.7	0.18	4.6	0.010	0.25	100	500		
Light-Heavy Cross Section																
MLT2LH-LP316	2.0	51	7.9	201	250	1112	0.50	12.7	0.25	6.4	0.010	0.25	GS4MT, HTMT, PPTMT, ST2MT	50	250	
MLT4LH-LP316	4.0	102	14.3	362	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	
MLT6LH-LP316	6.0	152	20.5	521	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	
MLT8LH-LP316	8.0	203	26.8	679	250	1112	0.50	12.7	0.25	6.4	0.010	0.25		50	250	

*Other lengths available, contact Panduit Customer Service.
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 ***For information on installation tools, refer to pages B3.14 – B3.16.



Pan-Steel® Self-Locking Cable Ties – MLT Series (continued)

Part Number	Max. Bundle Diameter		Length*		Min. Loop Tensile Strength**		Min. Bundle Diameter		Width		Thickness		Recommended Installation Tool***	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	Lbs.	N	In.	mm	In.	mm	In.	mm			
Heavy Cross Section															
MLT2H-LP316	2.0	51	7.9	201	450	2000	0.50	12.7	0.31	7.9	0.010	0.25	GS4MT, ST2MT, HTMT, PPTMT, PBTMT	50	250
MLT2.7H-LP316	2.7	69	10.2	259	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250
MLT4H-LP316	4.0	102	14.3	362	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250
MLT6H-LP316	6.0	152	20.5	521	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250
MLT8H-LP316	8.0	203	26.8	679	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250
MLT10H-LP316	10.0	254	33.0	838	450	2000	0.50	12.7	0.31	7.9	0.010	0.25		50	250
Extra-Heavy Cross Section															
MLT4EH-LP316	4.0	102	17.1	434	600	2670	1.00	25.4	0.50	12.7	0.010	0.25	ST2MT, RT2HT, RT2HTN, PBTMT	50	250
MLT6EH-LP316	6.0	152	23.4	594	600	2670	1.00	25.4	0.50	12.7	0.010	0.25		50	250
MLT8EH-LP316	8.0	203	29.7	754	600	2670	1.00	25.4	0.50	12.7	0.010	0.25		50	250
MLT4EH15-LP316	4.0	102	17.1	434	700	3115	1.00	25.4	0.50	12.7	0.015	0.38		50	250
MLT6EH15-LP316	6.0	152	23.4	594	700	3115	1.00	25.4	0.50	12.7	0.015	0.38		50	250
MLT8EH15-LP316	8.0	203	29.7	754	700	3115	1.00	25.4	0.50	12.7	0.015	0.38		50	250
Super-Heavy Cross Section															
MLT4SH-LP316	4.0	102	17.1	434	900	4005	1.00	25.4	0.63	15.9	0.015	0.38	RT2HT, RT2HTN, PBTMT	50	250
MLT6SH-LP316	6.0	152	23.4	594	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		50	250
MLT8SH-LP316	8.0	203	29.7	754	900	4005	1.00	25.4	0.63	15.9	0.015	0.38		50	250

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A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index