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PANDUIT®

Product Bulletin



Pan-Steel® Stainless Steel Fully Coated* Ties and Tools System

When operating in oil and gas, shipbuilding, or industrial environments, maintaining a safe and secure physical infrastructure is a difficult challenge. Panduit delivers innovative solutions that mitigate risk across power, control, communication, security, and computing throughout the physical infrastructure.

Pan-Steel® Stainless Steel Fully Coated Ties provide the strength of steel and the protection of a polyester coating when strength, vibration, salt spray, UV radiation, weathering, corrosion, or temperature extremes are a concern. Panduit offers these ties in a variety of colors to maximize identification effectiveness and employee safety. Panduit industry leading installation tools are designed to reduce operator fatigue, promote worker safety, and improve productivity. Pan-Steel® Stainless Steel Fully Coated Ties and Tools System provides reliable, long term bundling throughout the physical infrastructure, contributing to lower operational costs.

*The tie body is fully coated. The locking head is not coated.

Key Features	Benefits
316 stainless steel with polyester coating	Superior corrosion resistance provides maximum performance and longer service life in harsh environments, improving the reliability of your infrastructure
Available in six colors (heavy cross section only)	Provides for visual color designation of key infrastructure elements, enhancing safety and reducing operational costs
Self-locking head design	Tie locks immediately with no fold over or additional installation steps, lowering installed costs by up to 65%; three times quicker to install than conventional strapping
Smooth surfaces and rounded edges	Assures worker safety and bundle protection from abrasion during and after installation
Available in four widths (black only)	Standard cross section 0.18” (4.6mm), heavy cross section 0.31” (7.9mm), extra-heavy cross section .50” (12.7mm) and a super-heavy cross section .625” (15.9mm) offer flexibility in selecting the optimum size and strength for the application
Meets stringent shipbuilding specifications	Super-heavy 0.625” (15.9mm) ties can be used in place of conventional strapping for offshore and shipbuilding applications to dramatically speed installation time and lower installed costs

Technical Information

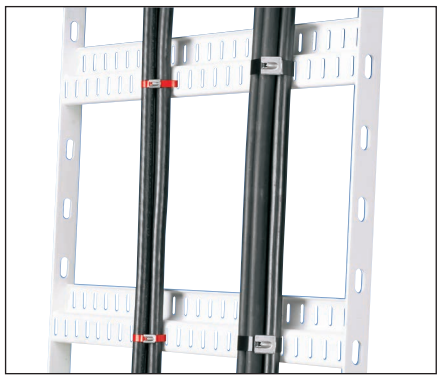
Material:	316 stainless steel base metal with low-smoke, halogen-free polyester coating
Temperature:	-40°F (-40°C) to 302°F (150°C)
Salt spray:	Polyester coated ties tested for 2000 hours with no degradation

Pan-Steel ® Stainless Steel Fully Coated Ties and Tools System

Six Color choices... Same Superior Performance

The same polyester coating that provides additional edge protection and prevents galvanic corrosion between dissimilar metals is now available in six vibrant colors to improve employee safety and identify key infrastructure elements. Incorporating these visually distinctive and readily identifiable stainless steel cable ties can mitigate risk by safely securing and identifying critical power, control, communications, and security cables used throughout the physical infrastructure.

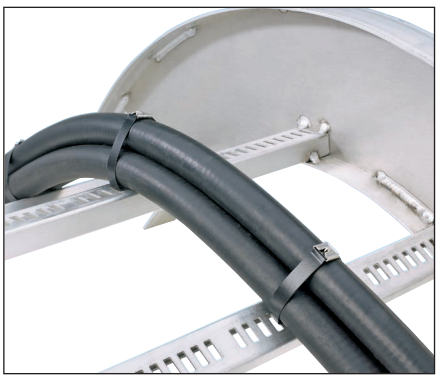
Sample Color Coding:



Application
Fire protection cabling secured to a cable tray

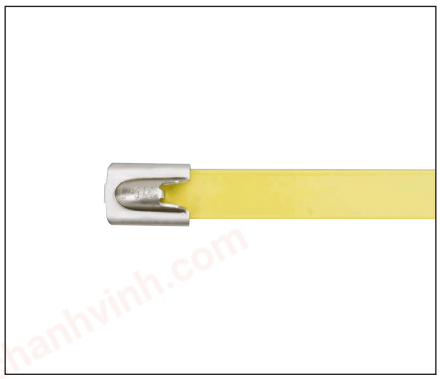


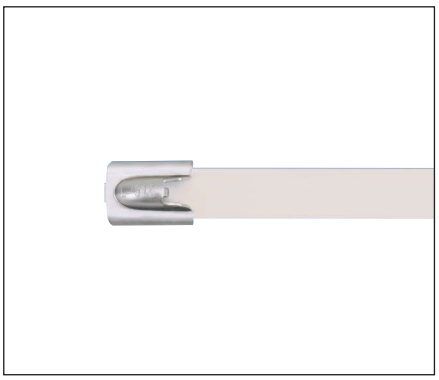
Application
Secure metal shield over pipe insulation



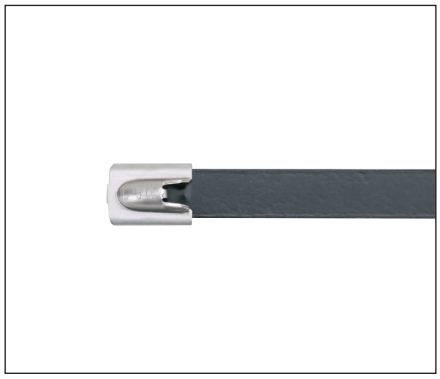
Application
Electrical cabling secured to cable tray in harsh environments

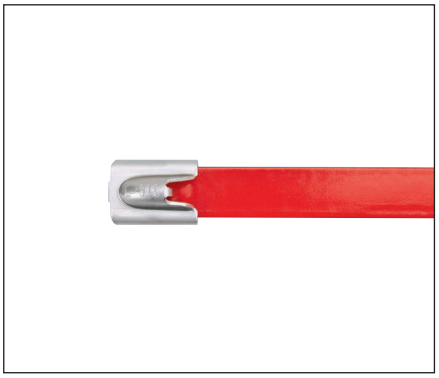
Six total color options accommodate a variety of bundling applications throughout the physical infrastructure:













Pan-Steel ® Stainless Steel Fully Coated Ties and Tools System



- Polyester coating available in six color options provides visual indication for easy identification in color-coding applications (heavy cross section only)
- Self-locking head design speeds installation and locks into place at any length along the tie body
- Polyester coating provides additional edge protection and prevents corrosion between dissimilar metals
- AISI 316 stainless steel for the most corrosive environments
- Available in standard, heavy, extra-heavy and super-heavy cross sections
- UV resistant, low smoke, halogen-free material
- Temperature tolerance -40°F (-40°C) to 302°F (150°C)

Part Number	Max. Bundle Diameter In.	Max. Bundle Diameter mm	Length* In.	Length* mm	Color	Min. Loop Tensile Strength** Lbs.	Min. Loop Tensile Strength** N	Min. Bundle Diameter In.	Min. Bundle Diameter mm	Width In.	Width mm	Base Material Thickness± In.	Base Material Thickness± mm	Recommended Installation Tool***	Std. Pkg. Qty.^	Std. Ctn. Qty.
Standard Cross Section																
MLTFC2S-CP316	2.0	51	7.9	201	Black	100	445	0.50	12.7	0.18	4.6	0.010	0.25	GS4MT-E, HTMT, ST2MT	100	500
MLTFC4S-CP316	4.0	102	14.3	362												
MLTFC6S-CP316	6.0	152	20.5	521												
MLTFC8S-CP316	8.0	203	26.8	679												
Heavy Cross Section																
MLTFC2H-LP316RD	2.0	51	7.9	201	Red	250	1112	0.50	12.7	0.31	7.9	0.010	0.25	GS4MT-E, HTMT, ST2MT	50	250
MLTFC4H-LP316RD	4.0	102	14.3	362												
MLTFC6H-LP316RD	6.0	152	20.5	521												
MLTFC2H-LP316YL	2.0	51	7.9	201	Yellow											
MLTFC4H-LP316YL	4.0	102	14.3	362												
MLTFC6H-LP316YL	6.0	152	20.5	521												
MLTFC2H-LP316GR	2.0	51	7.9	201	Green											
MLTFC4H-LP316GR	4.0	102	14.3	362												
MLTFC6H-LP316GR	6.0	152	20.5	521												
MLTFC2H-LP316BU	2.0	51	7.9	201	Blue											
MLTFC4H-LP316BU	4.0	102	14.3	362												
MLTFC6H-LP316BU	6.0	152	20.5	521												
MLTFC2H-LP316WH	2.0	51	7.9	201	White											
MLTFC4H-LP316WH	4.0	102	14.3	362												
MLTFC6H-LP316WH	6.0	152	20.5	521												
MLTFC2H-LP316	2.0	51	7.9	201	Black											
MLTFC4H-LP316	4.0	102	14.3	362												
MLTFC6H-LP316	6.0	152	20.5	521												
MLTFC8H-LP316	8.0	203	26.8	679												
Extra-Heavy Cross Section																
MLTFC2EH-LP316	2.0	51	11.8	300	Black	300	1335	1.00	25.4	0.50	12.7	0.010	0.25	ST2MT, RT2HT, RT2HTN	50	250
MLTFC4EH-LP316	4.0	102	17.1	434												
MLTFC6EH-LP316	6.0	152	23.4	594												
MLTFC8EH-LP316	8.0	203	29.7	754												
Super-Heavy Cross Section																
MLTFC4SH-LP316	4.0	102	17.1	434	Black	450	2000	1.00	25.4	0.63	15.9	0.015	0.38	RT2HT, RT2HTN	50	250
MLTFC6SH-LP316	6.0	152	23.4	594												
MLTFC8SH-LP316	8.0	203	29.7	754												

^Order number of pieces required, in multiples of Standard Package Quantity.
*Other lengths available, contact Panduit Customer Service.
**Per SAE Standard AS231901/3 (formerly MIL).
***For information on installation tools, refer to page 4.
±Base material less coating.
Prime items in bold.

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Pan-Steel ® Stainless Steel Fully Coated Ties and Tools System

Cable Tie Installation Tools – Selection Chart







	GS4MT-E	RT2HT	RT2HTN	ST2MT	HTMT
Tool Style					
Gun type	✓				
Ratchet type		✓	✓		
Pliers type				✓	
Screwdriver type					✓
Installed Cross Section					
Standard	✓			✓	✓
Light-heavy	✓			✓	✓
Heavy	✓			✓	✓
Extra-heavy		✓	✓	✓	
Super-heavy		✓	✓		
Tension Control					
Fully adjustable	✓	✓	✓		
Manual				✓	✓
Cut-off					
Automatic	✓				
Manual		✓	✓	✓	
Cable Tie Entry					
Side	✓	✓	✓	✓	
Front					✓
Additional Features					
One handed operation	✓			✓	✓
Multi-position rear handle		✓	✓		
Narrow nose	✓		✓		
Replaceable Parts Available					
Replaceable cutter blade	✓	✓	✓		
Replaceable gripper	✓			✓	

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