

# 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

|   |  |
|---|--|
| <b>316 stainless steel with polyester coating</b>         | Superior corrosion resistance provides maximum performance and longer service life in harsh environments, improving the reliability of your infrastructure   |
| <b>Available in six colors (heavy cross section only)</b> | Provides for visual color designation of key infrastructure elements, enhancing safety and reducing operational costs  |
| <b>Self-locking head design</b>                           | 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  |
| <b>Smooth surfaces and rounded edges</b>                  | Assures worker safety and bundle protection from abrasion during and after installation  |
| <b>Available in four widths (black only)</b>              | 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 |
| <b>Meets stringent shipbuilding specifications</b>        | 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

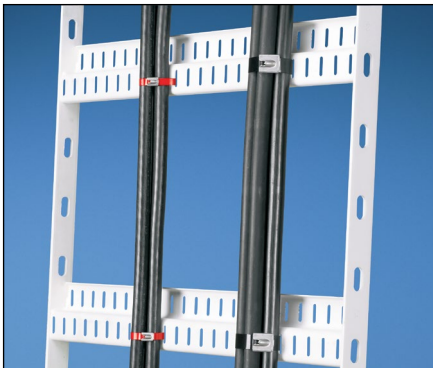
|                      |   |
|----------------------|---|
| <b>Material:</b>     | 316 stainless steel base metal with low-smoke, halogen-free polyester coating |
| <b>Flammability:</b> | UL V-2  |
| <b>Temperature:</b>  | -40°F (-40°C) to 302°F (150°C)  |
| <b>Salt spray:</b>   | Polyester coated ties 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

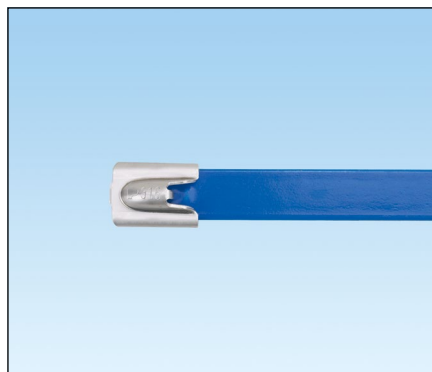
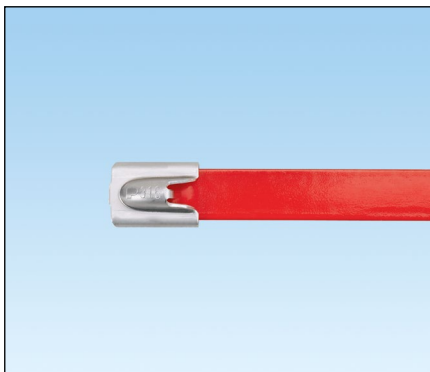
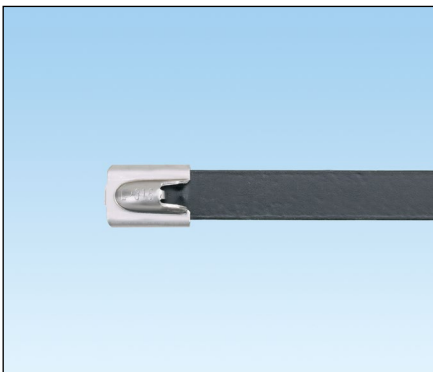
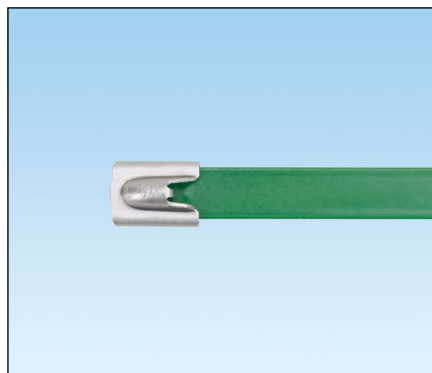
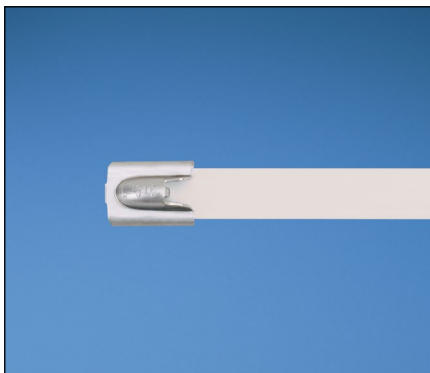
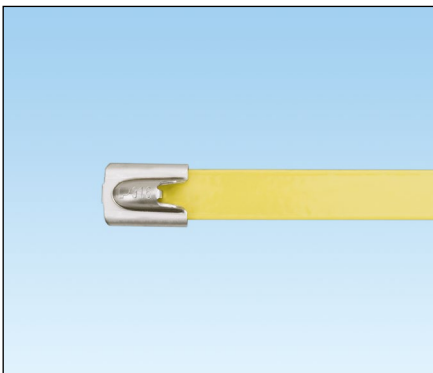
Secure metal shield over pipe insulation



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

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

## Cable Tie Installation Tools – Selection Chart



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

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