Panduit offers a broad selection of industry approved styles, sizes, and materials to meet a full range of electrical, industrial, and networking applications.

## Comprehensive Cable Tie Solutions

<table>
<thead>
<tr>
<th>Product Family</th>
<th>PLT</th>
<th>SG</th>
<th>BT</th>
<th>DT</th>
<th>CBR</th>
<th>HV</th>
<th>SST</th>
<th>ERT</th>
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<tbody>
<tr>
<td>Locking</td>
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</table>

### Styles
- **PLT** Pan-Ty® Cable Ties
  - Most comprehensive product offering
- **SG** Super-Grip® Cable Ties
  - Withstand rough installations
- **BT** Dome-Top® Barb Ty Cable Ties
  - Metal locking barb; infinite adjustability
- **DT** Dura-Ty® Cable Ties
  - Acetal material; 20+ years outdoor service life
- **CBR** Contour-Ty® Cable Ties
  - Low profile head, parallel-entry, outside teeth
- **HV** Hyper-V™ Cable Ties
  - Teeth on both sides; 2-wedge locking design
- **SST** Sta-Strap® Cable Ties
  - Two-piece design, low thread force, lightweight
- **ERT** Elastomeric Cable Ties
  - Flexible, elastic material, UL 94V-0, releasable

### Cross Sections
- **PLT** Pan-Ty® Cable Ties
- **SG** Super-Grip® Cable Ties
- **BT** Dome-Top® Barb Ty Cable Ties
- **DT** Dura-Ty® Cable Ties
- **CBR** Contour-Ty® Cable Ties
- **HV** Hyper-V™ Cable Ties
- **SST** Sta-Strap® Cable Ties
- **ERT** Elastomeric Cable Ties

### Cable Tie Industry Approvals

<table>
<thead>
<tr>
<th>Agency</th>
<th>Spec/Approval</th>
<th>Requirement</th>
<th>Products</th>
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</thead>
<tbody>
<tr>
<td>UL (Underwriters Laboratory)</td>
<td>UL 62275 (File E56854)</td>
<td>Types 1, 11, 2, 2S, 21, 21S (Note 1)</td>
<td>Select PLT, BT, SG, SST, and CBR Series</td>
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<tr>
<td>CSA (Canadian Standards</td>
<td>CSA-C22.2 No. 62275 (File 31212)</td>
<td>Types 1, 11, 2, 2S, 21, 21S (Note 1)</td>
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<tr>
<td>Association)</td>
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<td>2005 Steel Vessel Rules 1-1-4/7.4-8-4/21.9.32001 MODU Rules 4-3-3/5.9.1</td>
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<td>ABS (American Bureau of</td>
<td>05-HS463235-PDA</td>
<td>Bureau Veritas Rules for the Classification of Steel Ships</td>
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<td>Shipping)</td>
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<td>Det Norske Veritas’ Rules for Classification of Ships and Mobile Offshore Units</td>
<td>PLT, PLC, PLM, PRT, PLWP, PRWP and PRST Series</td>
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<tr>
<td>Bureau Veritas</td>
<td>Cert 05968/C0, BV File ACE 14/601/01 Product Code: 2535H</td>
<td>Det Norske Veritas’ Rules for Classification of Ships and Mobile Offshore Units</td>
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<td>Lloyd’s Register of Shipping</td>
<td>89/60111 (E3)</td>
<td>Lloyd’s Register Type Approval</td>
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<td>Russian Maritime Register of</td>
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<td>Russian Maritime Type Approval Certificate</td>
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<td>NRC (Nuclear Regulatory</td>
<td>NRC 10CFR50</td>
<td>Quality Assurance Criteria for Nuclear</td>
<td>All cable tie products</td>
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<td>Commission)</td>
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<tr>
<td>US Military Aerospace Standard</td>
<td>QPL-AS23190</td>
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# Material Selection Criteria

<table>
<thead>
<tr>
<th>Material Availability</th>
<th>Pan-Ty® Cable Ties</th>
<th>Super-Grip® Cable Ties</th>
<th>Dome-Top® Barb Ty Cable Ties</th>
<th>Dura-Ty® Cable Ties</th>
<th>Contour-Ty® Cable Ties</th>
<th>Hyper-V® Cable Ties</th>
<th>Sta-Strip® Cable Ties</th>
<th>Elastomeric Cable Ties</th>
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<tr>
<td>Cross Sections</td>
<td>PLT</td>
<td>SG</td>
<td>CBR</td>
<td>DT</td>
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<td>HV</td>
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## Material Test Methods
- Nylon 6.6 Weather Resistant
- Nylon 6.6 Modified Weather Resistant
- Nylon 6.6 Heat Stabilized
- Nylon 6.6 Heat Stabilized Weather Resistant
- Nylon 6.6 Flame Retardant

### Cross Sections
- SM = Subminiature
- M = Miniature
- I = Intermediate
- S = Standard
- HS = Heavy-Standard
- LH = Light-Heavy
- H = Heavy
- EH = Extra-Heavy

## Material Selection Criteria

<table>
<thead>
<tr>
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### Cross Sections
- Pan-Ty® Cable Ties
- Super-Grip® Cable Ties
- Dome-Top® Barb Ty Cable Ties
- Dura-Ty® Cable Ties
- Contour-Ty® Cable Ties
- Hyper-V® Cable Ties
- Sta-Strip® Cable Ties
- Elastomeric Cable Ties

### Check Mark Indicates Material Availability in That Product Family for All Cross Sections.

### Cross Sections
- SM = Subminiature
- M = Miniature
- I = Intermediate
- S = Standard
- HS = Heavy-Standard
- LH = Light-Heavy
- H = Heavy
- EH = Extra-Heavy

### Recommendation Legend
- Highest
- High
- Acceptable
- Low
- Lowest

### Mechanical Properties
- **Tensile @ Yield @ 73°F** (psi):
  - ISO 527: 12,000
  - ASTM D570: 1.2%
- **Radiation Resistance (Rads)**:
  - 1 x 10⁵
- **Weathering Life Expectancy (Years)**:
  - 1 – 2
- **Impact Resistance**:
  - Black
- **Heat Deflection Temperature @ 1.8 Mpa** (°F):
  - ASTM D648: 158°F
  - ISO 75-1/-2: 158°F

### Chemical Resistance
- **Salts**
- **Hydrocarbons**
- **Chlorinated Hydrocarbons**
- **Acids**
- **Bases**
- **Acid Rain**

### Thermal Properties
- **Continuous Use Temperature Range** (°F / °C):
  - UL 746B:
    - -76°F – 185°F
    - -60°C – 85°C
  - UL 62275:
    - -4°F or +32°F
    - -20°C or 0°C

### Flammability Rating
- UL 94
- UL 500

### Low Smoke
- ASTM E662
- PASS

### Oxygen Index
- BS ISO 4589
- 28

### Halogen-Free
- IEC 60754-2
- PASS

### Burning Fume Toxicity
- BSS-7239
- PASS

### Heat Deflection Temperature @ 1.8 Mpa (°F / °C):
- ASTM D648
- ISO 75-1/-2

### Relative Price
- Low
- Med

### Product Family
- Pan-Ty® Cable Ties
- Super-Grip® Cable Ties
- Dome-Top® Barb Ty Cable Ties
- Dura-Ty® Cable Ties
- Contour-Ty® Cable Ties
- Hyper-V® Cable Ties
- Sta-Strip® Cable Ties
- Elastomeric Cable Ties

---

Check mark indicates material availability in that product family for all cross sections.

Cross Sections: SM = Subminiature; M = Miniature; I = Intermediate; S = Standard; HS = Heavy-Standard; LH = Light-Heavy; H = Heavy; EH = Extra-Heavy.
<table>
<thead>
<tr>
<th>Flame Retardant Nylon 6.6</th>
<th>Weather Resistant Polypropylene</th>
<th>Weather Resistant Polypropylene</th>
<th>TEFZEL&lt;sup&gt;®&lt;/sup&gt;</th>
<th>HALAR&lt;sup&gt;®&lt;/sup&gt;</th>
<th>PEEK</th>
<th>Metal Detectable Nylon</th>
<th>Metal Detectable Polypropylene</th>
<th>DT Weather</th>
<th>Flame Retardant TPU</th>
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<tbody>
<tr>
<td>Natural Ivory</td>
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<td>7 – 9</td>
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<td>&gt;20</td>
<td>7 – 9</td>
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-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 – 170°C
-76°F – 257°F
-60°C – 125°C
-76°F – 500°F
-60°C – 260°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 – 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
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-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 | HB | HB | HB | V-0 | V-0 | V-0 | HB | HB | HB | V-0

PASS | — | — | — | — | — | PASS | — | — | — | —

34 | — | — | — | 30 | 52 | 35 | — | — | — | 26

Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Yes

PASS | — | — | — | — | — | — | — | — | — | —

154°F | 122°F | 122°F | 122°F | — | 149°F | 313°F | — | — | 147°F | —


3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3

3

3

3

Note 1: Check UL file for specific part number rating
Note 2: Based upon UL RTI for electrical properties

<sup>®</sup>TEFZEL is a registered trademark of E.I. du Pont de Nemours and Company.

<sup>®</sup>HALAR is a registered trademark of Ausimont USA, Inc.

For more detailed information, visit the Panduit website at www.panduit.com/cableties
Panduit offers the most preferred hand-operated tools in the industry. These versatile tools can be used for production, maintenance or construction applications. Panduit cable tie installation tools promote worker safety, help reduce downtime, improve productivity and provide the lowest total installed cost. As with all Panduit products, quality in design and production along with customer service excellence, are assured.

**Cable Tie Tools**

- **GTS-E**
  - Used with SM, M, I, and S cable ties
  - Ergonomic design lowers the risk of repetitive motion injuries. Lowest activation and impact force to installer’s hand

- **GS2B-E**
  - Used with SM, M, I, and S cable ties
  - Metal tool with a durable powder coat finish
  - Ergonomic design lowers the risk of repetitive motion injuries. Lowest activation and impact force to installer’s hand

- **GTH-E**
  - Used with S, HS, LH, and H cable ties
  - Ergonomic design lowers the risk of repetitive motion injuries. Lowest activation and impact force to installer’s hand

- **GS4H-E**
  - Used with S, HS, LH, and H cable ties
  - Metal tool with a durable powder coat finish
  - Ergonomic design lowers the risk of repetitive motion injuries. Lowest activation and impact force to installer’s hand

- **GS4EH-E**
  - Used with LH, H, and EH cable ties
  - Metal tool with a durable powder coat finish
  - Ergonomic design lowers the risk of repetitive motion injuries. Lowest activation and impact force to installer’s hand

**Pneumatic Hand Tools**

- **PTS**
  - Used with SM, M, I, and S cable ties
  - Ergonomic design with impact resistant resin housing and black knob; replacement parts can be part of a scheduled maintenance program

- **PTH**
  - Used with S, HS, LH, and H cable ties
  - Ergonomic design with impact resistant resin housing and red knob; replacement parts can be part of a scheduled maintenance program

**Pneumatic Tool Accessories**

Visit www.panduit.com for our complete line of pneumatic tool accessories.
Complete Your Bundling System

Tools

Manual Cable Tie Installation Tools
- Designed to speed installation for lower installed cost
- Flush tie cut-off limits exposure to sharp edges
- A full line of lightweight, ergonomic hand tools available
- Panduit leads the industry in reliability and performance

Automatic Cable Tie Installation Systems
- An efficient solution for high volume harnessing, assembly, fastening and packaging applications
- High speed tools lower installed cost and reduce operator fatigue
- Wrap, tension, and cut off cable ties in less than one second
- Microprocessor based controller monitors system performance for production data and reporting

Services

Custom Imprinting Service
- Products available for custom imprinting include cable ties, marker plates, marker and flag ties, hook and loop wrap ties
- Results in a professional, high quality appearance for identification and labeling as well as promotional purposes
- Options include company logos, website addresses, sequential numbering, phone numbers, graphics and text

Related Products

Cable Accessories
- Comprehensive line of mounts, clips, and clamps that organizes and routes cables, speeds and simplifies installations, and lowers overall installed cost
- Installation methods include adhesive backed, user applied adhesive, screws, rivets and push barb
- Accessories provide long term reliability while cable clips and clamps offer a one-piece solution to save time and reduce inventory

Stainless Steel Cable Ties
- Durable method of bundling, fastening and permanent identification in applications where severe environmental conditions exist
- Engineered for safety, productivity and durability by providing round edges and smooth surfaces, easy threading, high loop tensile strength and tight clamping