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Material Information

Available Materials

**Nylon 6/6 — General Purpose**
General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine and iodine when burned. Nylon 6/6 is hydroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

**Nylon 6/6 — Heat Stabilized**
With similar properties and benefits as nylon 6/6, products manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications.

**Nylon 6/6 — UV Stabilized**
Chemical inhibitors are used to give nylon 6/6 material added properties to fight against premature aging of products due to the effects of ultraviolet rays.

**Nylon 6/6 — 2% Carbon for Military Specification**
Impact modifiers are added to increase flexibility. High impact nylon 6/6 has stable tensile strength due to its reduced influence from moisture. It is excellent for high vibration applications, as within the aircraft and automobile industries and performs better than nylon 6/6 against ultraviolet rays. Good for outdoor use.

**Polypropylene**
Polypropylene is used in environments where chemical effects on nylon are a concern. It is not affected by inorganic acids (hydrochloric), polyhydric alcohols (ethyleneglycol), neutral salts (sodium chloride) and basic salts (sodium bicarbonate). Polypropylene also resists a number of other chemicals with good results, although it has lower tensile strength than nylon 6/6 (about half). Polypropylene has good UV resistance.

**Nylon 12 — UV Stabilized**
Nylon 12 is resistant to chemicals and salts. Ideal for solar applications. Weather resistant grade, produced by the addition of stabilizers to the nylon resin.

**Stainless Steel**
Stainless Steel is used where corrosion, vibration, weathering, and temperature extremes are a concern. May be used for virtually any indoor, outdoor, or underground application. Available in both 304 and 316 Stainless Steel. Also available partially or fully coated with polyester.

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### Material Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Continuous* Operating Temperature Max. Min.</th>
<th>Tensile Strength at 73° F Dry as Molded ASTM D-638 (PSI)</th>
<th>UL Flame Rating</th>
<th>Oxygen Index %</th>
<th>Gamma Radiation Resistance</th>
<th>UV Resistance</th>
<th>Military, Federal, ASTM, and FDA Specifications</th>
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<tbody>
<tr>
<td>Nylon 6/6 — General Purpose (CT)</td>
<td>185° F 85° C</td>
<td>12,000</td>
<td>94V-2</td>
<td>28</td>
<td>1 x 10^5 Rads</td>
<td>Poor</td>
<td>ASTM D-4066PA0111 FDA CFR177.1500</td>
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<tr>
<td>Nylon 6/6 — Heat Stabilized (CTHS)</td>
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* Elevated temperatures, over time, will affect materials’ properties such as tensile strength, stiffness, elongation and appearance.

BURNDY® recommends the evaluation of cable ties in the actual application to determine the suitability of the tie for that application.
# BURNDY® Cable Ties

## Material Performance Guide

<table>
<thead>
<tr>
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Relative Cost
- Low
- Med.
- Std.
- Med.
- Med.
- Med.
- Med.
- Med.
- Med.

1 = Least Recommended 10 = Most Recommended

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The following chart is meant to help you understand BURNDY’s cable tie catalog numbering system. Not every cable tie is available in every listed option. See below Catalog Numbering System Charts or contact BURNDY® Customer Service for more information.

### Gray bars contain catalog number examples.

<table>
<thead>
<tr>
<th>Type</th>
<th>Tensile</th>
<th>Bundle Dia.</th>
<th>Feature</th>
<th>Package</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>CT = Nylon 6/6</td>
<td>18 = 18 lbs.</td>
<td>075 = 3/4”</td>
<td>CPM = Center Push Mount</td>
<td>V = 5</td>
<td>0 = UV Black</td>
</tr>
<tr>
<td>Standard</td>
<td>30 = 30 lbs.</td>
<td>087 = 7/8”</td>
<td>DL = Double Loop</td>
<td>X = 10</td>
<td>00 = UV Black</td>
</tr>
<tr>
<td>CTAS</td>
<td>40 = 40 lbs.</td>
<td>100 = 1”</td>
<td>EPR = Extended Pawl Releasable</td>
<td>Q = 25</td>
<td>02 = Red</td>
</tr>
<tr>
<td>Aerial Support</td>
<td>50 = 50 lbs.</td>
<td>125 = 1-1/4”</td>
<td>ID = Single Head ID</td>
<td>L = 50</td>
<td>1 = Brown</td>
</tr>
<tr>
<td>CTHS = Nylon 6/6</td>
<td>100 = 100 lbs.</td>
<td>137 = 1-3/8”</td>
<td>ID2 = Double Head ID</td>
<td>C = 100</td>
<td>2 = Red</td>
</tr>
<tr>
<td>Heat Stablized</td>
<td>110 = 110 lbs.</td>
<td>150 = 1-1/2”</td>
<td>ID3 = Triple Head ID</td>
<td>B = 250</td>
<td>3 = Orange</td>
</tr>
<tr>
<td>CTV = Nylon 6/6</td>
<td>120 = 120 lbs.</td>
<td>175 = 1-3/4”</td>
<td>FL = ID Flag</td>
<td>D = 500</td>
<td>4 = Yellow</td>
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<tr>
<td>Flame Retardant UL94V-0</td>
<td>175 = 175 lbs.</td>
<td>200 = 2”</td>
<td>MH4 = Mounting Hole #4</td>
<td>M = 1000</td>
<td>5 = Green</td>
</tr>
<tr>
<td>Flame Retardant UL94V-0</td>
<td>225 = 225 lbs.</td>
<td>225 = 2-1/4”</td>
<td>MH5 = Mounting Hole #6</td>
<td>6 = Blue</td>
<td>6 = Blue</td>
</tr>
<tr>
<td>CT = Nylon 6/6</td>
<td>250 = 250 lbs.</td>
<td>250 = 2-1/2”</td>
<td>MH8 = Mounting Hole #8</td>
<td>7 = Purple</td>
<td>7 = Purple</td>
</tr>
<tr>
<td>Flame Retardant UL94V-0</td>
<td>450 = 450 lbs.</td>
<td>300 = 3”</td>
<td>MH10 = Mounting Hole #10</td>
<td>8 = Gray</td>
<td>8 = Gray</td>
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<tr>
<td>Flame Retardant UL94V-0</td>
<td>500 = 500 lbs.</td>
<td>325 = 3-1/4”</td>
<td>MH14 = Mounting Hole #14</td>
<td>9 = Neon Green</td>
<td>9 = Neon Green</td>
</tr>
<tr>
<td>CTTP = Polypropylene</td>
<td>675 = 675 lbs.</td>
<td>350 = 3-1/2”</td>
<td>PM = Push Mount Tie</td>
<td>10 = White</td>
<td>10 = White</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>700 = 700 lbs.</td>
<td>400 = 4”</td>
<td>PML = Push Mount Tie w/Louvers</td>
<td>11 = Telco Gray</td>
<td>11 = Telco Gray</td>
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<tr>
<td>CTSS = Stainless Steel</td>
<td>800 = 800 lbs.</td>
<td>425 = 4-1/4”</td>
<td>PMW = Push Mount Tie w/Wing</td>
<td>12 = Pink</td>
<td>12 = Pink</td>
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<tr>
<td>CTNT = Nylon 12</td>
<td>900 = 900 lbs.</td>
<td>500 = 5”</td>
<td>R = Releasable Tie</td>
<td>20 = Black</td>
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<tr>
<td>CT-UG = Nylon 6/6</td>
<td>900 = 900 lbs.</td>
<td>600 = 6”</td>
<td>LD = Ladder</td>
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<td>Blank = Natural</td>
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<td>Universal Grade</td>
<td>1000 = 10”</td>
<td>700 = 7”</td>
<td>LP = Low Profile Tie</td>
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<tr>
<td>CTWR = Weather Resistant</td>
<td>1400 = 14”</td>
<td>750 = 7-1/2”</td>
<td>PS = Positive Stop</td>
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<tr>
<td>CTBR = Cable Tie Base</td>
<td>900 = 9”</td>
<td>800 = 8”</td>
<td>SSB = Stainless Steel Barb</td>
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<tr>
<td>CTB = Cable Tie Base</td>
<td>1000 = 10”</td>
<td>1000 = 10”</td>
<td>FC304 = Fully Coated 304</td>
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<tr>
<td>CTB = Cable Tie Base</td>
<td>1100 = 11”</td>
<td>1100 = 11”</td>
<td>FC316 = Fully Coated 316</td>
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<td>CTBRWR = Cable Tie Base</td>
<td>1200 = 12”</td>
<td>1200 = 12”</td>
<td>PC304 = Partially Coated 304</td>
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<td></td>
</tr>
<tr>
<td>CTBRWR = Cable Tie Base</td>
<td>1300 = 13”</td>
<td>1300 = 13”</td>
<td>PC316 = Partially Coated 316</td>
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<td>CTBRWR = Cable Tie Base</td>
<td>1400 = 14”</td>
<td>1400 = 14”</td>
<td>SSH = Stainless Steel Hook</td>
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</tbody>
</table>

1. Material: Nylon 6/6 — UV Stabilized
2. Material: Nylon 6/6 — 2% Carbon UV Stabilized (Mil. Spec.)

---

## Military Specification

### UNIRAP™ Cable Ties

The BURNDY® cable ties shown below meet the requirements of SAE AS23190A (formerly MIL-S-23190) in accordance with specification MS3367, MS3368, and QPL-23190.

<table>
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<th>Mil Spec</th>
<th>Distributor Pack Catalog Number</th>
<th>Bulk Pack Catalog Number</th>
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¹Material: Nylon 6/6 UV Stabilized
²Material: Nylon 6/6 2% UV Stabilized - Mil. Spec.
UNIRAP™

NYLON CABLE TIES

UNIRAP™ cable ties are fabricated of one piece Nylon with no metal parts. The straps are tough, resilient, lightweight and abrasion resistant. They offer high tensile strength and are chemically resistive to solvents, alkalies, oils, grease and diluted acids. Self-locking, they secure without twisting or leaving sharp projections.

Compact heads and pre-bent tips facilitate cable bundling in a minimum of time and space. UNIRAP™ cable ties are designed for both field and production line use and may be installed easily by hand.

BURNDY® cable ties consist of three components: strap, head, and tail. These components are specifically designed to function together to make BURNDY® UNIRAP™ cable ties superior in quality and performance. Shelf life of 5 years, when stored in original packaging.

Component  | Precision Engineering  | Enhanced Performance
--- | --- | ---
Strap  | 1. Includes load bearing serrations.  
2. Features flats between the serrations.  
3. Features the double outer rail system. | 1. Serrations provide complete adjustability within the fastening range.  
2. Flats reduce stress concentrations and help make the tie stronger.  
3. Smooth rails promote low drag, as well as minimize chafing.
Head  | 4. The pawl is integrally formed with the head.  
5. The pawl is stepped in order to wedge against the serrations in the strap to form the lock.  
6. The shoulders, or the sides of the head, guide the strap and prevent it from disengaging from the pawl during loaded conditions.  
7. The back supports the strap during the wedging of the lock formation. | 4. The locking unit will not disengage. It also promotes low insertion with high pull out force for very easy installation.  
5. The tie’s ultimate strength achieves optimum levels.  
6. Promotes cable tie strength, endurance and longevity.  
7. Ensure optimum locking capability.
Tail  | 8. Features a bent tip.  
9. Includes a ribbed grip. | 8. Easy pick-up for installers, which leads to fast assembly.  
**Cable Ties**

**Nylon 6/6 Standard Cable Ties**

**UNIRAP™ Standard Cable Ties**

Type CT

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine, or iodine when burned. Nylon 6/6 is hydroscopic, and therefore absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness, and elongation of the product.

UV Black / UV Black (Mil. Spec.) are 2% Carbon UV Stabilized.

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Max. Bundle Dia. In. [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
<th>UL Type</th>
<th>Plenum Rated</th>
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**Nylon UNIRAP - 30 Lb. Tensile Strength**

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<th>Min. Tensile Strength (lb)</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
<th>UL Type</th>
<th>Plenum Rated</th>
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### Nylon UNIRAP™ - 40 Lb. Tensile Strength

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<th>Min. Tensile Strength (lb)</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
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<th>Plenum Rated</th>
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<td>CT40200C00</td>
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### Nylon UNIRAP™ - 50 Lb. Tensile Strength

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<th>Std Pkg Catalog Number</th>
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<th>Min. Bundling Dia. In. [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>Bulk Pkg Catalog Number</th>
<th>UL Type</th>
<th>Plenum Rated</th>
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## UNIRAP™

**Standard Cable Ties (Continued)**

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<th>Installation Tooling</th>
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### Nylon UNIRAP - 120 Lb. Tensile Strength

| CT120200L              | Natural              | 2.00 (50.8)               | 9.00 (229)           | 0.30 (7.6)     | CT120200D        | Type 21S AH-2 UL 62275 |
| CT120200L0             | UV Black (Mil. Spec.)|                            |                |               | CT120200D0       | Type 21 AH-2 UL 62275 |
| CT120300L              | Natural              | 3.00 (76.2)               | 12.00 (305)         | 0.30 (7.6)     | CT120300D        | Type 21 UL 62275      |
| CT120300L0             | UV Black (Mil. Spec.)|                            |                |               | CT120300D0       | Type 21 AH-2 UL 62275 |
| CT120400L              | Natural (Mil. Spec.) | 4.00 (101.6)              | 15.00 (381)         | 0.30 (7.6)     | CT120400D        | Type 21S AH-2 UL 62275 |
| CT120400L0             | UV Black (Mil. Spec.)|                            |                |               | CT120400D0       | Type 21 AH-2 UL 62275 |
| CT120800L              | Natural              | 8.00 (203.2)              | 28.51 (724)         | 0.30 (7.6)     | —                | —                   |
| CT120800L0             | UV Black (Mil. Spec.)|                            |                |               | —                | —                   |
## UNIRAP™

### Standard Cable Ties (Continued)

<table>
<thead>
<tr>
<th>Std Pkg</th>
<th>Color</th>
<th>Max. Bundle Dia. In. [mm]</th>
<th>Min. Bundle Dia. [mm]</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>UL Type</th>
<th>Plenum Rated</th>
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<tbody>
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<td>7.00 [177.8]</td>
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<td>8.90 [222.1]</td>
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<td>Type 21</td>
</tr>
<tr>
<td>CT1751100Q0</td>
<td>UV Black (Mil. Spec.)</td>
<td>11.00 [279.4]</td>
<td>11.00 [279.4]</td>
<td>61.00 [1549]</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
</tr>
<tr>
<td>CT1751400Q0</td>
<td>UV Black</td>
<td>15.00 [381.0]</td>
<td>15.00 [381.0]</td>
<td>83.50 [2120]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
</tr>
<tr>
<td>CT1751500Q</td>
<td>Natural</td>
<td>18.75 [476.4]</td>
<td>18.75 [476.4]</td>
<td>125.50 [3190]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
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<td>Type 21</td>
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</table>

## Nylon UNIRAP - 175 Lb. Tensile Strength

<table>
<thead>
<tr>
<th>Std Pkg</th>
<th>Color</th>
<th>Max. Bundle Dia. In. [mm]</th>
<th>Min. Bundle Dia. [mm]</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>Bulk Pkg Catalog Number</th>
<th>UL Type</th>
<th>Plenum Rated</th>
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<tbody>
<tr>
<td>CT175500Q</td>
<td>Natural</td>
<td>5.50 [139.7]</td>
<td>5.50 [139.7]</td>
<td>18.10 [460]</td>
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<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>Y</td>
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<tr>
<td>CT175500Q0</td>
<td>UV Black</td>
<td>5.50 [139.7]</td>
<td>5.50 [139.7]</td>
<td>18.10 [460]</td>
<td>0.34 [8.6]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>Y</td>
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<tr>
<td>CT175600Q</td>
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<td>7.00 [177.8]</td>
<td>24.51 [622]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
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<td>Type 21</td>
<td>Y</td>
</tr>
<tr>
<td>CT175600Q0</td>
<td>UV Black (Mil. Spec.)</td>
<td>7.00 [177.8]</td>
<td>7.00 [177.8]</td>
<td>24.51 [622]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
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<td>Type 21</td>
<td>Y</td>
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<tr>
<td>CT175800Q0</td>
<td>UV Black</td>
<td>8.90 [222.1]</td>
<td>8.90 [222.1]</td>
<td>32.67 [830]</td>
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<td>Type 21</td>
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<tr>
<td>CT175900Q</td>
<td>Natural</td>
<td>8.75 [222.0]</td>
<td>8.75 [222.0]</td>
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<td>Type 21</td>
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<td>8.75 [222.0]</td>
<td>48.00 [1219]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT1751100Q</td>
<td>Natural (Mil. Spec.)</td>
<td>11.00 [279.4]</td>
<td>11.00 [279.4]</td>
<td>61.00 [1549]</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT1751100Q0</td>
<td>UV Black (Mil. Spec.)</td>
<td>11.00 [279.4]</td>
<td>11.00 [279.4]</td>
<td>61.00 [1549]</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT1751400Q0</td>
<td>UV Black</td>
<td>15.00 [381.0]</td>
<td>15.00 [381.0]</td>
<td>83.50 [2120]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
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<tr>
<td>CT1751500Q</td>
<td>Natural</td>
<td>18.75 [476.4]</td>
<td>18.75 [476.4]</td>
<td>125.50 [3190]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
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## Nylon UNIRAP - 250 Lb. Tensile Strength

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<tr>
<th>Std Pkg</th>
<th>Color</th>
<th>Max. Bundle Dia. In. [mm]</th>
<th>Min. Bundle Dia. [mm]</th>
<th>Length in [mm]</th>
<th>Width in [mm]</th>
<th>Installation Tooling</th>
<th>Bulk Pkg Catalog Number</th>
<th>UL Type</th>
<th>Plenum Rated</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT250600Q</td>
<td>Natural</td>
<td>6.00 [152.4]</td>
<td>6.00 [152.4]</td>
<td>23.00 [584]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT250600Q0</td>
<td>UV Black</td>
<td>6.00 [152.4]</td>
<td>6.00 [152.4]</td>
<td>23.00 [584]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT250800Q</td>
<td>Natural</td>
<td>8.00 [203.2]</td>
<td>8.00 [203.2]</td>
<td>28.74 [730]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT250800Q0</td>
<td>UV Black</td>
<td>8.00 [203.2]</td>
<td>8.00 [203.2]</td>
<td>28.74 [730]</td>
<td>0.35 [8.9]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
</tr>
<tr>
<td>CT2501000Q</td>
<td>Natural</td>
<td>10.00 [254.0]</td>
<td>10.00 [254.0]</td>
<td>34.64 [880]</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
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<tr>
<td>CT2501000Q0</td>
<td>UV Black</td>
<td>10.00 [254.0]</td>
<td>10.00 [254.0]</td>
<td>34.64 [880]</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>—</td>
<td>Type 21</td>
<td>N</td>
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</tbody>
</table>
Cable Ties

Nylon 6/6 Identification (CT-IDC) and Push Mount (CT-PM) Cable Ties

UNIRAP™ Identification Cable Ties

Type CT-ID

Identification cables tie are used in both bundling and identifying the wire groups at the same time. Same material, features and benefits as the Nylon 6/6 Standard Cable Ties.

### UNIRAP™ Identification Cable Ties

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Material</th>
<th>Color</th>
<th>Figure</th>
<th>Marking Pad Size Inches</th>
<th>Max Bundle Diameter Inches [mm]</th>
<th>Min Tensile Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT18075FLC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>3</td>
<td>.36 X .81</td>
<td>0.75 [19]</td>
<td>18</td>
<td>4.10 [104]</td>
<td>0.10 [2.5]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
</tr>
<tr>
<td>CT18075IDC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>2</td>
<td>.33 X 1.00</td>
<td>0.75 [19]</td>
<td>18</td>
<td>4.01 [102]</td>
<td>0.10 [2.5]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
</tr>
<tr>
<td>CT182000IDC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>2</td>
<td>.33 X 1.00</td>
<td>2.09 [53]</td>
<td>18</td>
<td>7.72 [196]</td>
<td>0.10 [2.5]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
</tr>
<tr>
<td>CT50175IDC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>1</td>
<td>.51 X 1.09</td>
<td>1.75 [44]</td>
<td>50</td>
<td>7.48 [190]</td>
<td>0.18 [4.6]</td>
<td>CTT50 MK9</td>
<td>3 Heavy</td>
</tr>
<tr>
<td>CT50175IDC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>1</td>
<td>.51 X 1.09</td>
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<td>10.60 [269]</td>
<td>0.19 [4.8]</td>
<td>CTT50 MK9</td>
<td>3 Heavy</td>
</tr>
</tbody>
</table>

UNIRAP™ Push Mount Cable Ties

**TYPE CT-PM**

Push Mount Cable Ties attach cable bundle to other surface through a pre-drilled hole. One piece design provides extra stability, reliability and consistent performance. Same material and features as the Nylon 6/6 Standard Cable Ties.

### UNIRAP™ Push Mount Cable Ties

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Material</th>
<th>Color</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength (lb)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT50175PMC</td>
<td>Nylon 6/6</td>
<td>Natural</td>
<td>1.75 [44.5]</td>
<td>50</td>
<td>8.50 [216]</td>
<td>0.18 [4.6]</td>
<td>CTT50 MK9</td>
<td>2 Heavy</td>
</tr>
<tr>
<td>CT50175PMC0</td>
<td>Nylon 6/6</td>
<td>UV Black</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CTT50 MK9</td>
<td>2 Heavy</td>
</tr>
</tbody>
</table>
**UNIRAP™ Releasable Cable Ties**

**Type CT-R**

Perfect for prototype construction, releasable ties are ideal for temporary installations. Releasable ties are good for applications where service requires adding or subtracting wires from an existing bundle.

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Material</th>
<th>Color</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
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<tbody>
<tr>
<td>CT50175RC</td>
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<td>8.00 [198]</td>
<td>0.19 [4]</td>
<td>CTT50</td>
<td>2 Heavy</td>
</tr>
<tr>
<td>CT50175RC</td>
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<td>UV Black</td>
<td>1.40 [35.6]</td>
<td>50</td>
<td>6.00 [151]</td>
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<td>MK9</td>
<td></td>
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<tr>
<td>CT50137RC</td>
<td></td>
<td>Natural</td>
<td>4.00 [101.6]</td>
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<td>15.20 [387]</td>
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<tr>
<td>CT50400RC</td>
<td></td>
<td>Natural</td>
<td>2.52 [64.0]</td>
<td>250</td>
<td>9.50 [241]</td>
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<td>MK9</td>
<td></td>
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<tr>
<td>CT50400RC</td>
<td></td>
<td>UV Black</td>
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<td>20.00 [509]</td>
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<td>6.00 [152.4]</td>
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<td>24.30 [618]</td>
<td>0.49 [12.4]</td>
<td>MK9</td>
<td>Heavy</td>
</tr>
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<td>CT250600RQ</td>
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<td>8.00 [203.2]</td>
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<td>CT250800RQ</td>
<td></td>
<td>UV Black</td>
<td>9.76 [248.0]</td>
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<td>32.60 [830]</td>
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UNIRAP™ Mounting Hole Cable Ties

Type CT-MH

Bundling and mounting, one easy installation. Ideal for use where bundle needs to be secured, such as control panels and ceilings. Can be bundled before or after mounting.

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Screw Size</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT18075MH4C</td>
<td>Natural</td>
<td>#4</td>
<td>0.75 [19.1]</td>
<td>18</td>
<td>3.93 [100]</td>
<td>0.10 [3.0]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
<td>CT18075MH4M</td>
</tr>
<tr>
<td>CT30125MH8C</td>
<td>Natural</td>
<td>#8</td>
<td>1.25 [31.8]</td>
<td>30</td>
<td>6.80 [173]</td>
<td>0.14 [4.0]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
<td>CT30125MH8M</td>
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<td>CT30125MH8M0*</td>
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<td>—</td>
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<td>CT50175MH10C</td>
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<td>#10</td>
<td>1.75 [44.5]</td>
<td>50</td>
<td>8.10 [206]</td>
<td>0.18 [5.0]</td>
<td>CTT50 MK9</td>
<td>3 Heavy</td>
<td>CT50175MH10M</td>
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<tr>
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<td>UV Black</td>
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<td>15.10 [384]</td>
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<td>CTT50 MK9</td>
<td>3 Heavy</td>
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<td>50</td>
<td>15.70 [399]</td>
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<td>MK9</td>
<td>Heavy</td>
<td>CT50400MH10M0</td>
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<td>CT120400MH14L</td>
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<td>4.00 [101.6]</td>
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<td>0.30 [8.0]</td>
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<td>—</td>
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<td>—</td>
<td>—</td>
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</tr>
</tbody>
</table>

*Only available in Bulk Package of 1000 pieces.
**UNIRAP™ Heat Stabilized Cable Ties**

Type CTHS

With similar properties and benefits as nylon 6/6, products manufactured with heat stabilized nylon 6/6 material have a chemical stabilizer added for higher continuous temperature applications. Range up to 225°F.

- Good fatigue resistance
- Resistant to chemicals
- Higher temperature range
- Meets the requirements of UL94V-2 flammability rating

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Material</th>
<th>Color</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTHS18075M</td>
<td>Nylon 6/6 Heat Stabilized</td>
<td>Natural</td>
<td>0.75 [19.1]</td>
<td>18</td>
<td>4.10 [104]</td>
<td>0.10 [2.5]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
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<td>CTHS50300M</td>
<td>Nylon 6/6 Heat Stabilized</td>
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<td>3.00 [76.2]</td>
<td>50</td>
<td>11.10 [282]</td>
<td>0.18 [4.6]</td>
<td>CTT50 MK9</td>
<td>3 Heavy</td>
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<td>CTHS50400M</td>
<td>Nylon 6/6 Heat Stabilized</td>
<td>Natural</td>
<td>4.00 [101.6]</td>
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<td>14.60 [371]</td>
<td>0.30 [7.6]</td>
<td>MK9</td>
<td>Heavy</td>
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<tr>
<td>CTHS50700M</td>
<td>Nylon 6/6 Heat Stabilized</td>
<td>Natural</td>
<td>1.88 [47.8]</td>
<td>50</td>
<td>7.60 [193]</td>
<td>0.30 [7.6]</td>
<td>MK9</td>
<td>Heavy</td>
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<tr>
<td>CTHS120400M</td>
<td>Nylon 6/6 Heat Stabilized</td>
<td>Natural</td>
<td>4.00 [101.6]</td>
<td>120</td>
<td>15.00 [381]</td>
<td>0.30 [7.6]</td>
<td>MK9</td>
<td>Heavy</td>
</tr>
</tbody>
</table>
UNIRAP™

Type CTB STANDARD CABLE TIE MOUNTING BASES

BURNDY® offers a wide variety of mounting bases suited for many applications. Mounting bases are used in conjunction with cable ties to stabilize and secure wire bundles, both indoors and outdoors. Mounting bases can be secured to a surface using rubber based adhesive, acrylic adhesive, or also can be screw mounted.

The Rubber Adhesive has an operating temperature range from 14°F/-10°C to 140°F/60°C; Acrylic Adhesive has a temperature range of 14°F/-10°C to 176°F/80°C. When using the screw mounting option ONLY (not using any adhesive to secure the base) the product has a temperature range of -40°F/-40°C to 185°F/85°C.

These mounting bases are available to accommodate CT18 through CT50 series cable ties. Insertion of ties can be made from all sides. Each mount may be secured with screws, adhesive backing, or both, for ease of application and stability. For applications where higher temperatures, certain chemicals, or UV radiation are a concern and an adhesive is the preferred method for securing, the acrylic adhesive mounting bases are recommended.

### Std Pkg Catalog Number

<table>
<thead>
<tr>
<th>Mounting Method</th>
<th>Figure #</th>
<th>Color</th>
<th>Min Tensile Strength (lbs)</th>
<th>Max Tie Slot Width [mm]</th>
<th>Width Inches [mm]</th>
<th>Length Inches [mm]</th>
<th>Bulk Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTB075AAF1C Acrylic Adhesive or #6 or #8 Screw</td>
<td>1</td>
<td>Natural</td>
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## UNIRAP™ Cable Hangers

**Type CH**

Cable hangers provide a contact area range of 1/2” to 3/8” in width. All contact edges have a full radius for product protection, and sizes are clearly marked on each clamp.

Cable hangers are injection molded. Available in white and black nylon 6/6.

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<th>Dimension B Width [mm]</th>
<th>Dimension C (Mount Hole to Center) [mm]</th>
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UNIRAP™ Stainless Steel Barb Cable Ties

TYPE CT-SSB

The Stainless Steel Barb cable ties (Type CT-SSB) are nylon 6/6 with self-locking stainless steel barbs featuring an oval low-profile head. There are no sharp edges helping prevent damaged cables. CT-SSB ties have a curved tip for faster initial threading to help speed installation and a no slip tail for easy grip during tensioning. CT-SSB ties are currently available in Natural and UV Black. These cable ties are cULus Listed for Wiring Positioning devices.

Features & Benefits

- Nylon 6/6 Standard
- Self-locking stainless steel barb
- Available in UV Black and Natural
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tail for easy installation
- Safe for air handling spaces
- Plenum rated

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<th>Standard Catalog Number</th>
<th>Color</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Tensile Strength (lbs)</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
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<th>Tool Setting</th>
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<td>18.11 [460]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CT110600SSBB</td>
</tr>
<tr>
<td>CT110800SSBL0</td>
<td>UV Black</td>
<td>7.99 [203.0]</td>
<td>21.18 [538]</td>
<td></td>
<td></td>
<td></td>
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<td>CT110800SSBB</td>
</tr>
<tr>
<td>CT120300SSBL0</td>
<td>UV Black</td>
<td>3.15 [80.0]</td>
<td>11.81 [300]</td>
<td>0.39 [10.0]</td>
<td>MK9</td>
<td>Heavy</td>
<td></td>
<td>CT120300SSBB</td>
</tr>
<tr>
<td>CT120330SSBL0</td>
<td>UV Black</td>
<td>3.82 [97.0]</td>
<td>13.78 [350]</td>
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<td></td>
<td></td>
<td>CT120330SSBB</td>
</tr>
<tr>
<td>CT120400SSBL0</td>
<td>UV Black</td>
<td>4.33 [110.0]</td>
<td>15.75 [400]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CT120400SSBB</td>
</tr>
<tr>
<td>CT120500SSBL0</td>
<td>UV Black</td>
<td>4.92 [125.0]</td>
<td>17.72 [450]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CT120500SSBB</td>
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</table>
UNIRAP™ Cable Ties

TYPE CT-UG

General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine or iodine when burned. Nylon 6/6 is hydroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tip for easy installation
- Self-Locking

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Max. Bundle Dia. (in) [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length [inch] [mm]</th>
<th>Width [inch] [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT18075CUG</td>
<td>Natural</td>
<td>0.75 [19.1]</td>
<td>18</td>
<td>3.94 [101]</td>
<td>0.10</td>
<td>CTT50</td>
<td>2 Std.</td>
<td>CT18025MUG</td>
</tr>
<tr>
<td>CT18075C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>2.00 [50.8]</td>
<td>7.95 [202]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>CT18020MUG</td>
</tr>
<tr>
<td>CT18200C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>2.00 [50.8]</td>
<td>7.95 [202]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>CT18200M0UG</td>
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Nylon UNIRAP - 30 Lb. Tensile Strength

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Max. Bundle Dia. (in) [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length [inch] [mm]</th>
<th>Width [inch] [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT30125CUG</td>
<td>Natural</td>
<td>1.25 [31.8]</td>
<td>30</td>
<td>5.90 [150]</td>
<td>0.13</td>
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<td>2 Std.</td>
<td>CT30125MUG</td>
</tr>
<tr>
<td>CT30125C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>2.00 [50.8]</td>
<td>14.50 [368]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>—</td>
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Nylon UNIRAP - 40 Lb. Tensile Strength

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Max. Bundle Dia. (in) [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length [inch] [mm]</th>
<th>Width [inch] [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
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</thead>
<tbody>
<tr>
<td>CT40200CUG</td>
<td>Natural</td>
<td>2.00 [50.8]</td>
<td>40</td>
<td>7.90 [201]</td>
<td>0.15</td>
<td>CTT50</td>
<td>3 Heavy</td>
<td>CT40200MUG</td>
</tr>
<tr>
<td>CT40400C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>4.00 [101.6]</td>
<td>14.60 [371]</td>
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<td>CTT50</td>
<td>MK9</td>
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Nylon UNIRAP - 50 Lb. Tensile Strength

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Max. Bundle Dia. (in) [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length [inch] [mm]</th>
<th>Width [inch] [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT50125CUG</td>
<td>Natural</td>
<td>1.75 [44.5]</td>
<td>50</td>
<td>7.83 [199]</td>
<td>0.18</td>
<td>CTT50</td>
<td>3 Heavy</td>
<td>CT50125MUG</td>
</tr>
<tr>
<td>CT50175C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>3.00 [76.2]</td>
<td>11.34 [288]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>CT50300MUG</td>
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<tr>
<td>CT50300CUG</td>
<td>Natural</td>
<td>—</td>
<td>3.00 [76.2]</td>
<td>11.34 [288]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>CT50300M0UG</td>
</tr>
<tr>
<td>CT50300C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>4.00 [101.6]</td>
<td>14.60 [371]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
<td>CT50400MUG</td>
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<tr>
<td>CT50400C0UG</td>
<td>UV Black</td>
<td>—</td>
<td>4.00 [101.6]</td>
<td>14.60 [371]</td>
<td>—</td>
<td>CTT50</td>
<td>MK9</td>
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## UNIRAP™

**TYPE CT-UG Cable Ties (Continued)**

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<th>Max. Bundle Dia. (in) [mm]</th>
<th>Min. Tensile Strength (lb)</th>
<th>Length inch [mm]</th>
<th>Width inch [mm]</th>
<th>Tool</th>
<th>Tool Setting (if applicable)</th>
<th>Bulk Pkg Catalog Number</th>
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<tr>
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<td>CT120200L0UG</td>
<td>UV Black</td>
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<td>8.87 [225]</td>
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<td>CT120400LUG</td>
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<td>4.00 [101.6]</td>
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<td>14.57 [370]</td>
<td>0.28 [7.1]</td>
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<td>3</td>
<td>CT120400C0UG</td>
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<tr>
<td>CT120500CUG</td>
<td>Natural</td>
<td>5.00 [127.0]</td>
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<td>17.70 [450]</td>
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<td>MK9</td>
<td>Heavy</td>
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<tr>
<td>CT120900LUG</td>
<td>Natural</td>
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<td>29.75 [756]</td>
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<td><strong>Nylon UNIRAP - 175 Lb. Tensile Strength</strong></td>
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<td>CT175400Q0UG</td>
<td>UV Black</td>
<td>4.00 [101.6]</td>
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<td>15.00 [381]</td>
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<td>MK9</td>
<td>Heavy</td>
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<tr>
<td>CT175600QUG</td>
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<td>24.00 [610]</td>
<td>0.35 [8.9]</td>
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<tr>
<td>CT175600QUG</td>
<td>UV Black</td>
<td>9.00 [228.6]</td>
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<td>32.00 [813]</td>
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<tr>
<td>CT175900Q0UG</td>
<td>UV Black</td>
<td>11.00 [279.4]</td>
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<td>36.00 [914]</td>
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<tr>
<td>CT1751100QUG</td>
<td>Natural</td>
<td>14.00 [355.6]</td>
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<td>52.00 [1321]</td>
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<tr>
<td><strong>Nylon UNIRAP - 250 Lb. Tensile Strength</strong></td>
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<td>CT250800Q0UG</td>
<td>UV Black</td>
<td>8.00 [203.2]</td>
<td></td>
<td>250</td>
<td>0.50 [12.7]</td>
<td>MK9</td>
<td>Heavy</td>
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Cable Ties
Nylon 6/6 Type CT-MH-UG Mounting Hole Cable Ties

UNIRAP™ Cable Ties

TYPE CT-MH-UG

The CT-MH-UG Cable Ties use the same material and have the same benefits of our CT-UG Cable Ties with the addition of a mounting hole. General purpose nylon 6/6 features light weight, high strength and a wide temperature range. It is halogen free so it does not release dangerous gases, such as chlorine, bromine, fluorine or iodine when burned. Nylon 6/6 is hydroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Features & Benefits

- Nylon 6/6 Standard
- Available in UV Black and Natural
- One piece injection molded
- Maximum strength and adjustability for versatility
- Chemically resistant to solvents, oils, grease, and diluted acids
- Rounded edges and bent tip for easy installation
- Self-Locking

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Color</th>
<th>Screw Size</th>
<th>Max Bundle Diameter Inches [mm]</th>
<th>Min Tensile Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Installation Tool</th>
<th>Tool Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT50175MH10CUG</td>
<td>Natural</td>
<td>#10</td>
<td>1.75 [44.5]</td>
<td>50</td>
<td>7.79 [198]</td>
<td>0.18 [4.6]</td>
<td>CTT50 MK9</td>
<td>3 Std.</td>
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<td>CT50175MH10C0UG</td>
<td>UV Black</td>
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<td>50</td>
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<tr>
<td>CT50300MH10CUG</td>
<td>Natural</td>
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<td>3.00 [76.2]</td>
<td>50</td>
<td>11.73 [298]</td>
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<tr>
<td>CT50300MH10C0UG</td>
<td>UV Black</td>
<td></td>
<td>50</td>
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</table>
### UNIRAP™ Mounting Bases

**Type CTB-UG**

These cable tie mounting bases may be secured with 2 screws and/or a rubber-based adhesive for ease of application and stability. These bases are suited for many applications to stabilize and secure wire bunches, both indoors and outdoors.

### Features & Benefits

- Nylon 6/6 Standard
- Chemically resistant to solvents, oils, grease, and diluted acids

### Specifications

<table>
<thead>
<tr>
<th>Std Pkg Catalog Number</th>
<th>Mounting Method</th>
<th>Max Tie Slot Width [mm]</th>
<th>Dimension A [mm]</th>
<th>Dimension B [mm]</th>
<th>Dimension C [mm]</th>
<th>Bulk Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTB075RA4CUG</td>
<td>Rubber Adhesive</td>
<td>0.14 [3.56]</td>
<td>0.75 [19.0]</td>
<td>0.75 [19.0]</td>
<td>0.15 [3.8]</td>
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</table>
There are times when a variety of lengths and color would be helpful. The Type CTASST Cable Tie Variety Canisters are perfect when your needs change.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Contains</th>
<th>Quantity</th>
<th>Color</th>
<th>Max Bundle Diameter</th>
<th>Strength (lbs)</th>
<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Installation Tool</th>
<th>Tool Setting</th>
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<tbody>
<tr>
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<td>100</td>
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<td>0.75 [19.1]</td>
<td>18</td>
<td>3.94 [100]</td>
<td>0.10 [2.5]</td>
<td>CTT50 MK9</td>
<td>2 Std.</td>
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<tr>
<td></td>
<td></td>
<td>100</td>
<td>UV Black</td>
<td>1.75 [44.5]</td>
<td>50</td>
<td>7.99 [203]</td>
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</tr>
<tr>
<td></td>
<td></td>
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<td>50</td>
<td>11.02 [280]</td>
<td>0.19 [4.8]</td>
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<tr>
<td></td>
<td></td>
<td>50</td>
<td>UV Black</td>
<td>3.00 [76.2]</td>
<td>50</td>
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<td>4.00 [102]</td>
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<td>CTT50 MK9</td>
<td>2 Std.</td>
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<tr>
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<td>6.00 [152]</td>
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<td>CTT50 MK9</td>
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<td>50</td>
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<td>18</td>
<td>4.00 [102]</td>
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<td>2 Std.</td>
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<tr>
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<td></td>
<td>100</td>
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<td>6.00 [152]</td>
<td>0.13 [3.3]</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>200</td>
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<td>8.00 [203]</td>
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<td>2 Std.</td>
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<tr>
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<td>Natural</td>
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<td>0.18 [4.5]</td>
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<tr>
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<td></td>
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<td>Natural</td>
<td>3.00 [76.2]</td>
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<td>0.18 [4.5]</td>
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<td>2 Std.</td>
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<td></td>
<td>300</td>
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<td>UV Black</td>
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<td>11.00 [280]</td>
<td>0.18 [4.5]</td>
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</table>
VELCRO® Hook and Loop Straps

TYPE TFV-B

Reusable and flexible, hook and loop straps are a unique self-gripping fastening system. These ties are specifically used on fiberoptic applications.

The TFV-V2 flame retardant straps are UL Listed Wire Positioning Devices (ZODZ), UL94-V2 rated for use in air handling spaces in accordance with the NEC Section 300-22(c) and (d). Perfect for plenum areas.

25 straps are conveniently packaged in each polybag.

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<tbody>
<tr>
<td>TFV3B12V2</td>
<td>VELCRO® hook and loop strap, 3/4” x 12”, Black, 25pk.</td>
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<td>12.00</td>
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<td>0.75  [19.1]</td>
<td>18.00</td>
<td>0.50   [127.0]</td>
<td>29</td>
<td>0.60</td>
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1 package = 25 ties
## UNIRAP™ Grade 304 Stainless Steel Uncoated

**Type CTSS**

BURNDY® 304 Stainless Steel ties are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application.

Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern. BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

These Stainless Steel ties are made from Grade 304 Stainless Steel. Designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.

### Features & Benefits

- Meet the requirements of ABS
- 304 Grade Stainless Steel
- Suitable for general purpose applications
- Smooth, rounded edges help ensure safe, efficient handling
- Available in a variety of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

<table>
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<th>Catalog Number</th>
<th>Material</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength Lbs.</th>
<th>Length Inches [mm]</th>
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BURNDY® Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevent damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. CTSS-PC ties are currently available in black. BURNDY® Stainless Steel Partially Coated Cable Ties can be used in any indoor, outdoor, or underground application.

Features & Benefits

- Meet the requirements of ABS
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

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<th>Catalog Number</th>
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UNIRAP™ Grade 304 Stainless Steel Fully Coated

Type CTSS-FC

The Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-FC ties are currently available only in black. BURNDY® stainless steel fully coated cable ties can be used in any indoor, outdoor, or underground application.

### Features & Benefits
- Meet the requirements of ABS
- 304 Grade Stainless Steel
- Available in Black only
- Suitable for general purpose applications
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

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<th>Catalog Number</th>
<th>Material</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength Lbs.</th>
<th>Length Inches [mm]</th>
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</table>
**UNIRAP™ Grade 316 Stainless Steel Uncoated**

**TYPE CTSS**

BURNDY® Stainless Steel ties (Type CTSS) are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application. Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern, BURNDY® Stainless Steel ties can be used in virtually any indoor, outdoor, and underground application.

BURNDY® Stainless Steel ties are made from Grade 316 Stainless Steel. This tie is designed with a low profile clamping bearing head with fully adjustable strap accommodating many bundle diameters.

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**Features & Benefits**

- Meet the requirements of ABS
- 316 Grade Stainless Steel
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges help ensure safe efficient handling
- Available in a wide range of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

---

**Catalog Number | Material | Max Bundle Diameter In. [mm] | Min Tensile Strength Lbs. | Length Inches [mm] | Width Inches [mm] | Installation Tool**

| CTSS225100316C | 316 SS | 0.99 [24.9] | 225 | 3.94 [100] | 0.18 [4.6] | CTTSS900 |
| CTSS225200316C | 316 SS | 1.97 [50.0] | | 7.87 [200] | | |
| CTSS225300316C | 316 SS | 3.00 [76.2] | | 11.81 [300] | | |
| CTSS225400316C | 316 SS | 4.02 [102.1] | | 15.75 [400] | | |
| CTSS225500316C | 316 SS | 5.04 [128.0] | | 19.68 [500] | | |
| CTSS225600316C | 316 SS | 6.07 [154.2] | | 23.62 [600] | | |
| CTSS500200316C | 316 SS | 1.97 [50.0] | 500 | 7.87 [200] | 0.31 [7.9] | CTTSS900 |
| CTSS500300316C | 316 SS | 3.00 [76.2] | | 11.81 [300] | | |
| CTSS500400316L | 316 SS | 4.02 [102.1] | | 15.75 [400] | | |
| CTSS500500316L | 316 SS | 5.04 [128.0] | | 19.68 [500] | | |
| CTSS500600316L | 316 SS | 6.07 [154.2] | | 23.62 [600] | | |
| CTSS500700316L | 316 SS | 7.09 [180.1] | | 27.56 [700] | | |
| CTSS500800316L | 316 SS | 7.60 [193.0] | | 31.50 [800] | | |
| CTSS700200316L | 316 SS | 1.97 [50.0] | 700 | 7.87 [200] | 0.50 [12.7] | CTTSS900 |
| CTSS700300316L | 316 SS | 3.00 [76.2] | | 11.81 [300] | | |
| CTSS700400316L | 316 SS | 4.02 [102.1] | | 15.75 [400] | | |
| CTSS700500316L | 316 SS | 5.04 [128.0] | | 19.68 [500] | | |
| CTSS700600316L | 316 SS | 6.07 [154.2] | | 23.62 [600] | | |
| CTSS700700316L | 316 SS | 7.09 [180.1] | | 27.56 [700] | | |
| CTSS700800316L | 316 SS | 8.12 [206.3] | | 39.37 [1000] | | |
| CTSS900200316L | 316 SS | 1.97 [50.0] | 920 | 7.87 [200] | 0.62 [15.9] | CTTSS900 |
| CTSS900300316L | 316 SS | 3.00 [76.2] | | 11.81 [300] | | |
| CTSS900400316L | 316 SS | 4.02 [102.1] | | 15.75 [400] | | |
| CTSS900500316L | 316 SS | 5.04 [128.0] | | 19.68 [500] | | |
| CTSS900600316L | 316 SS | 6.07 [154.2] | | 23.62 [600] | | |
| CTSS900700316L | 316 SS | 7.09 [180.1] | | 27.56 [700] | | |
| CTSS900800316L | 316 SS | 8.12 [206.3] | | 39.37 [1000] | | |
Cable Ties
Grade 316 Stainless Steel Partially Coated Type CTSS-PC Cable Ties

UNIRAP™ Grade 316 Stainless Steel Partially Coated

Type CTSS-PC

The Stainless Steel Partially Coated cable ties (Type CTSS-PC) are designed with a steel ball type locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offers a reliable and lasting bundling solution. Type CTSS-PC ties are currently available only in black. BURNDY® stainless steel partially coated cable ties can be used in any indoor, outdoor, or underground application.

Features & Benefits

- Meet the requirements of ABS
- 316 Grade Stainless Steel
- Available in Black only
- Suitable for rigorous corrosive conditions
- Smooth, rounded edges along with the polyester coating add to the safety of the installer
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Available in a wide range of lengths and widths
- Halogen free low smoke polyester coating

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Material</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength Lbs.</th>
<th>Length Inches [mm]</th>
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</table>
BURNDY® Stainless Steel Fully Coated cable ties (Type CTSS-FC) are designed with a steel ball self-locking mechanism. There are no sharp edges which prevents damaged cables. These ties have smooth, rounded edges and polyester coating which add to the safety of the installer. High tensile strength along with the shield of the polyester coating offer a reliable and lasting bundling solution. Type CTSS-FC ties are currently available in black only. BURNDY® Stainless Steel fully coated cable ties can be used in any indoor, outdoor, or underground application.

### Features & Benefits

- Meet the requirements of ABS
- 316 Grade Stainless Steel
- Available in black only
- Suitable for rigorously corrosive conditions
- Smooth, rounded edges help ensure safe efficient handling
- Available in a wide range of lengths and widths
- Self-locking steel ball design speeds installation and locks into place at any length
- Provides a strong, durable method of cable bundling
- Flame retardant and non-toxic for applications where safety from fire is critical

### Catalog Number

<table>
<thead>
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<th>Catalog Number</th>
<th>Material</th>
<th>Max Bundle Diameter In. [mm]</th>
<th>Min Tensile Strength Lbs.</th>
<th>Length Inches</th>
<th>Width Inches</th>
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<td>0.62</td>
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Cable Ties

WILEY Bundle Strap - Wire Management Bundle Strap

WILEY Bundle Strap
Wire Management Bundle Strap Solutions

The WILEY Bundle Strap is made of corrosion resistant 304 stainless steel, which makes for a durable, long lasting and reliable solution in all environments. The vinyl jacket covering the 304 stainless steel wire is designed to help protect cable insulation from damage. The WILEY Bundle Strap is easy to install and can be crimped in the field with electrician linesman pliers or standard wire cutters. The crimp includes a retention feature that allows for a quick, effortless, and secure installation. Custom designs available upon request.

Features & Benefits

- High quality, long-lasting, labor savings, wire management solution
- UV guarded vinyl jacketed 304 stainless steel wire with 304 stainless steel crimp
- Vinyl jacket designed to help protect cable insulation from damage
- 304 stainless steel crimp sleeve allows for quick and easy installation
- Can be crimped in the field with electrician linesman pliers or standard wire cutters
- Retention feature allows for a quick, effortless, secure installation
- Lasts the lifetime of the PV system
- RoHS compliant
- Custom Solutions available upon request

<table>
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<tr>
<th>Catalog Number</th>
<th>Material Description</th>
<th>Length Inches [mm]</th>
<th>Diameter Inches [mm]</th>
<th>Min Tensile Strength Lbs.</th>
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ACC-FBC Mounting Platform for use with WBS or UNIRAP™ Cable Ties.

The ACC-FBC mounts directly to the Module Frame. ACC-FBC Mounting Platform allows for parallel or perpendicular orientation of the UNIRAP™ Cable Tie or Wiley Bundle Strap.

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<th>Length Inches [mm]</th>
<th>Width Inches [mm]</th>
<th>Height Inches [mm]</th>
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Cable Tie Tools

Types MK, CTT, and CTTSS

Ergonomics and the prevention of repetitive motion injuries, coupled with the need to continually improve assembly efficiencies and procedures, are a major concern with most cable tie users. BURNDY® cable tie tools effectively address both issues. BURNDY® has world class cable tie tools to complement its line of quality cable ties. These tools are truly state-of-the-art both in design and performance.

BURNDY® tools make it easier for operators to install cable ties, while maintaining correct tension and flush cut-off. Worker safety is further enhanced as the tools can eliminate the sharp edges of a cut-off cable tie.

<table>
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<th>Ref. Figure</th>
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<td>CTT50</td>
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<td>Nylon up to 50 lbs</td>
</tr>
<tr>
<td>CTTSS900</td>
<td>C</td>
<td>Stainless Steel Tie Tool</td>
<td>SS Ties up to 900 lbs</td>
</tr>
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