RELIABLE SMALL TERMINALS THAT STAND THE TEST OF TIME

The BURNDY® HYDENT™ small terminal product line is ideal for applications in the industrial, OEM, C&I markets, as well as the military and nuclear industries.

BURNDY has manufactured small copper solderless terminals, splices and disconnects for over 50 years.

We offer a wide range of time-tested designs accommodating wire ranges #26 AWG to #10 AWG.

Most BURNDY® connectors in this product family are:

- UL Listed Wire Connectors per UL486A-486B Standard
- Qualified under SAE Aerospace Standard AS7928 (former Mil-Spec) and are on QPL
- Listed as an approved supplier on many aerospace specifications
- Compliant to 10CFR50 Appendix B Quality Assurance Criteria for supplying product to nuclear power plants

Reliable, time-tested and held to rigorous standards, BURNDY® small terminals are the responsible choice.

For high temperature applications, BURNDY offers nickel-plated “-NK” suffix small terminals for environments of up to 650°F.

HYDENT™ Small Terminals are available in easy-to-store, reusable twist off jars or in bulk.
An integral one-piece copper barrel and shroud provide conductor and insulation grip.

- Multi-finger insulation grip
- Provides superior insulation holding characteristics, especially on EPR and other elastic-type insulations
<table>
<thead>
<tr>
<th>INSULATION TYPES</th>
<th>UNINSULATED</th>
<th>VINYL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RINGS</strong></td>
<td>Constructed of pure electrolytic copper providing maximum conductivity, low resistance and ductility for excellent crimp forming properties.</td>
<td>Designed for commercial and light duty industrial control and power circuit applications.</td>
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<tr>
<td>The ring tongue provides a secure termination under the screw head that cannot be removed without the complete removal of the screw. Two or more terminals can easily be stacked on a common stud.</td>
<td><strong>BRAZED SEAM BARREL</strong> (TYPES T &amp; YAD) <strong>SEAMLESS BARREL</strong> (TYPES YAV, YAV-L*) <strong>SEAMLESS BARREL WITH SHROUD</strong> (TYPE YAV-H) <strong>SEAMLESS BARREL WITH RIGHT ANGLE</strong> (TYPES YAV-R, YAV-RS)</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE TP)</td>
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<td><strong>FORKS</strong></td>
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<tr>
<td>The fork permits rapid installation of the terminal under a screw head without completely removing the screw. Two or more terminals may be stacked easily on a common stud.</td>
<td><strong>BRAZED SEAM BARREL</strong> (TYPES T-F, YAD-F, T-LF, T-BF) <strong>SEAMLESS BARREL</strong> (TYPE YAV-T-F) <strong>SEAMLESS BARREL WITH SHROUD</strong> (TYPES YAV-H-F, YAV-Z)</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE TP-F) <strong>BUTTED SEAM BARREL LOCKING FORK</strong> (TYPE TP-LF) <strong>BUTTED SEAM BARREL BLOCK FORK</strong> (TYPE TP-BF) <strong>BUTTED SEAM BARREL FLANGED FORK</strong> (TYPE TP-Z)</td>
</tr>
<tr>
<td><strong>SPICES</strong></td>
<td></td>
<td><strong>SEAMLESS BARREL</strong> (TYPE SP)</td>
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<tr>
<td>Smooth funnel entry providing easy wire insertion.</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE YSV-B) <strong>SEAMLESS BARREL</strong> (TYPES YSV, YSV-L)</td>
<td></td>
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<tr>
<td>NYLON</td>
<td>HEAT SHRINK</td>
<td>RADIATION RESISTANT INSULATED</td>
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<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
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<tr>
<td>Designed for heavy duty industrial, utility and military power and control-circuit applications.</td>
<td>Designed to provide a durable seal that blocks out contaminants and ensures a better connection.</td>
<td>Designed to meet the requirements for class 1E applications. Provides 200 megarad radiation resistance.</td>
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<td><strong>BRAZED SEAM BARREL</strong> (TYPES TN &amp; YAES*)</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE YHSA)</td>
<td><strong>BRAZED SEAM BARREL</strong> (TYPE YAES-K)</td>
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<tr>
<td><strong>SEAMLESS BARREL</strong> (TYPE YAEV*)</td>
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<tr>
<td><strong>BRAZED BARREL WITH FINGER GRIP</strong> (TYPES YAE-G, YAE-N*)</td>
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<tr>
<td><strong>BUTTED SEAM BARREL</strong> (TYPES TN-LF, TN-BF, YAE-N-LF)</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE YHSA-F)</td>
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<tr>
<td><strong>BRAZED SEAM BARREL</strong> (TYPE TN-F)</td>
<td><strong>BUTTED SEAM BARREL</strong> LOCKING FORK (TYPE YHSA-K-LF)</td>
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<tr>
<td><strong>BUTTED SEAM BARREL</strong> WITH FINGER GRIP (TYPE YAE-N-BF)</td>
<td><strong>BUTTED SEAM BARREL</strong> BLOCK FORK (TYPE YHSA-K-BF)</td>
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</tr>
<tr>
<td><strong>BRAZED SEAM BARREL WITH FINGER GRIP</strong> (TYPES YAE-N-F, YAE-Z)</td>
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<tr>
<td><strong>SEAMLESS BARREL</strong> (TYPES SN, YSE-H)</td>
<td><strong>BUTTED SEAM BARREL</strong> (TYPE YSE-HHS)</td>
<td><strong>SEAMLESS BARREL</strong> (TYPE YSES-K)</td>
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<tr>
<td><strong>BUTTED SEAM BARREL WITH INSULATION GRIP</strong> (TYPE SN-B)</td>
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<tr>
<td><strong>SEAMLESS BARREL WITH FINGER GRIP</strong> (TYPE YSE-S)</td>
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</tbody>
</table>

*SAE certified. Check our sales drawings for more information about the SAE specs.
CATALOG NUMBERING SYSTEM

Our ring terminals, fork tongue terminals and splices can be configured to suit any job. When ordering, use the catalog numbering system to build your part:

**RING TERMINALS, FORK TONGUE TERMINALS & SPLICES**

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<th>CATALOG # Examples</th>
<th>Style Letter</th>
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<th>Conductor Size</th>
<th>Modifier (1)</th>
<th>Stud Size</th>
<th>Modifier (2)</th>
<th>Package</th>
<th>Plating Type</th>
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<td>YAEV10T11BOX</td>
<td>YA</td>
<td>E</td>
<td>V</td>
<td>10</td>
<td>T11</td>
<td>BOX</td>
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<tr>
<td>YAD1014M</td>
<td>YA</td>
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<td>YAV14Z6</td>
<td>YA</td>
<td>V</td>
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<td>Z</td>
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<td>TP168LF</td>
<td>T</td>
<td>P</td>
<td>16</td>
<td>8</td>
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</tr>
<tr>
<td>T186FNK</td>
<td>T</td>
<td>18</td>
<td>6</td>
<td>F</td>
<td>NK</td>
<td></td>
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</tbody>
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**Style Letters**
- BA, T, or YA = Terminal
- YS or S = Splice
- YR = Reducer

**Insulation**
- P = Vinyl
- N = Nylon
- K = Radiation Resistant
- HS = Heat Shrink
- E = Vinyl or Nylon blank = Bare

**Material Type**
- D, S or blank = Strip
- V = Tubing

**Conductor Size**
- 22 = #22 AWG
- 18 = #18 AWG
- 16 = #16 AWG
- 14 = #14 AWG
- 12 = #12 AWG
- 10 = #10 AWG
- 8C = #8 AWG
- 6C = #6 AWG
- 4C = #4 AWG
- 2C = #2 AWG
- 25 = 1/0 AWG
- 26 = 2/0 AWG
- 28 = 4/0 AWG

**Modifier (1)**
- H = Barrel Shroud
- N = Multi-Finger Insulation Grip
- Z = Flanged Fork Tongue
- blank = standard barrel

**Modifier (2)**
- F = Fork
- BF = Blocking Fork
- L or LF = Locking Fork
- RH = Right Angle Bend
- RS = Right Angle Bend blank = Ring

**Stud Size**
- 2 = #1 - #2
- 4 = #3 - #4
- 6 = #4 - #6
- 8 = #6 - #8
- 10 = #8 - #10
- 14 = 1/4"
- 516 = 5/16"
- 38 = 3/8"
- 12 = 1/2"
- H_, L_, N_, or T_ = defined by family and size blank = Splice

**Plating Type**
- BR = Bare
- NK = Nickel
- SV = Silver
- blank = Tin

**Package**
- Box = Jar (50 - 100 pcs)
- M = Mylar Tape (1k - 2k pc reels)
- blank = Jar or Bulk

PLEASE CALL US. Our live, U.S.-based BURNDY Customer Service Representatives will be happy to help you determine best configuration to fit your requirements.
CORRESPONDING BURNDY® TOOLS

Our products are designed to work together to meet stringent, accepted quality standards. There is no substitute for The BURNDY® Engineered System.

PNEUMATIC OEM CRIMPING TOOLS

The BURNDY® Y6NCP series of pneumatic crimping tools includes two options:

- The Y6NCP1 offers an extended wire range (from #22 to #4 AWG) while still boasting pull-out forces that exceed military/SAE specifications
- The Y6NCP1-SD offers an industry-standard die envelope capable of crimping #22 to #10 AWG insulated and uninsulated terminals and splices. This tool comes with two accompanying die sets

Both Y6NCP pneumatic tools are designed for medium-volume production and provide UL Listed connections when used with recommended BURNDY connectors.

MRE1022 SERIES ERGONOMIC FULL CYCLE RATCHET

This hand-held crimping tool accommodates #22-#10 AWG nylon, vinyl and bare terminals/splices and has a stop plate that ensures proper location for a consistent, reliable connection every time. The ratchet mechanism does not allow handles to open until full cycle is complete and has a ratchet release lever in case of misalignment. Color coded dies allow for easy groove identification.

QUICK DISCONNECTS

Quick disconnects allow for quickly connecting and disconnecting a terminal. We offer male, female, and male/female combo disconnects with different insulation types (bare, vinyl, nylon, and heat shrink).

BARE AND COVERED FERRULES

Specifically designed to help with the termination of fine-stranded conductor, both bare and insulated ferrules provide more flexibility for wire termination and management. All BURNDY® ferrules are made of electrolytically tinplated copper with a seamless barrel and smooth funnel entry.