

Small Terminals You Can Depend On



RELIABLE SMALL TERMINALS THAT STAND THE TEST OF TIME



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

BURNDY is one of only a few manufacturers that produce small terminals capable of withstanding nuclear radiation.

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

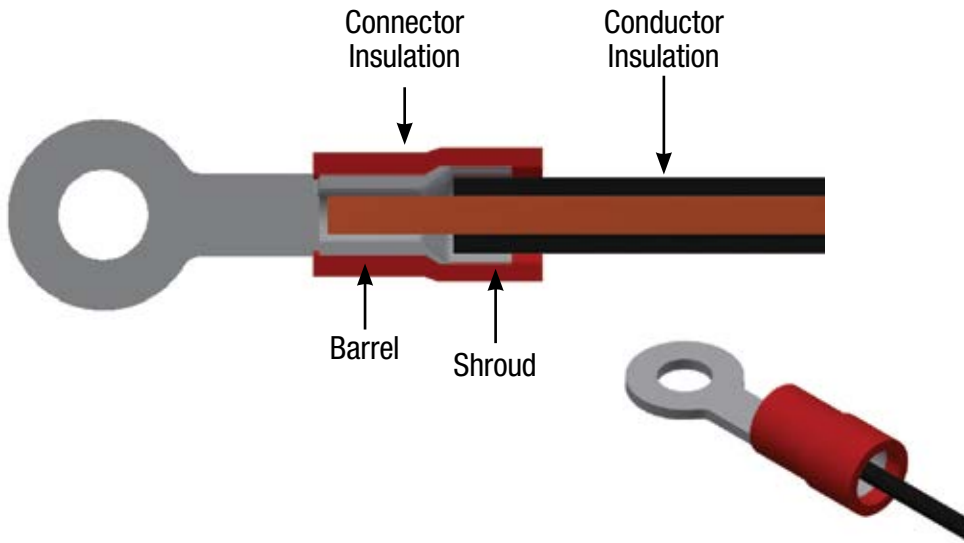
Reliable, time-tested and held to rigorous standards, BURNDY® small terminals are the responsible choice.

HYDENT™ Small Terminals are available in easy-to-store, reusable twist off jars or in bulk.

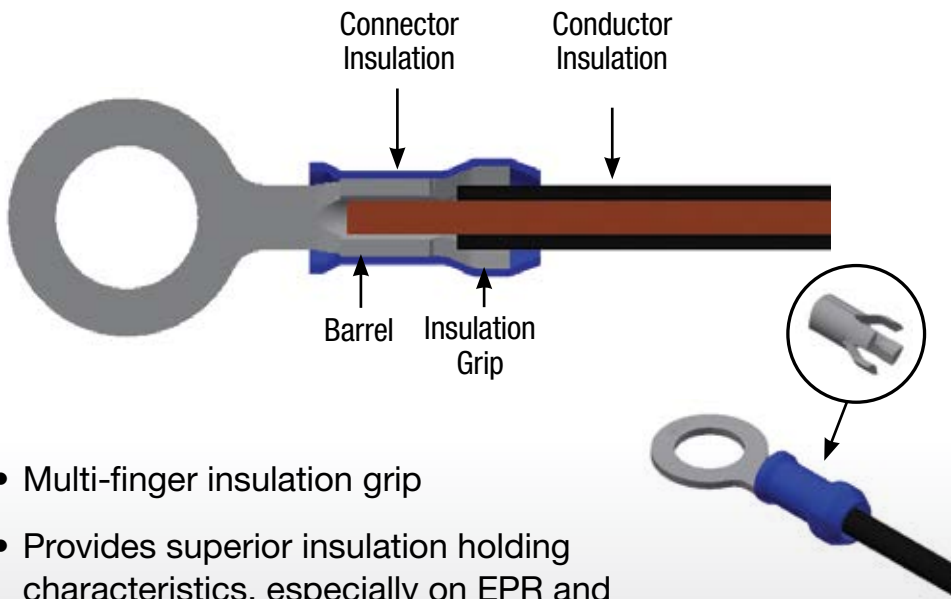
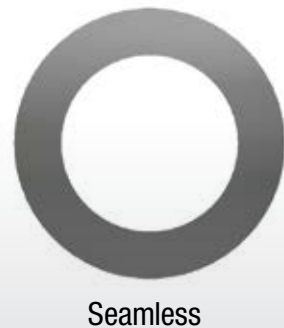
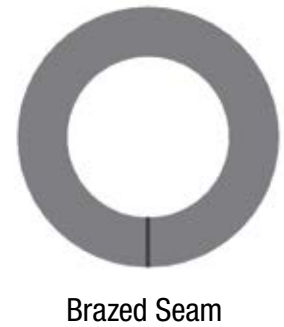


ANATOMY OF A SMALL TERMINAL




An integral one-piece copper barrel and shroud provide conductor and insulation grip.



BARREL TYPES



- Multi-finger insulation grip
- Provides superior insulation holding characteristics, especially on EPR and other elastic-type insulations

		UNINSULATED	VINYL	
		Constructed of pure electrolytic copper providing maximum conductivity, low resistance and ductility for excellent crimp forming properties.	Designed for commercial and light duty industrial control and power circuit applications.	
INSULATION TYPES				
RINGS	<p>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.</p> 	<p>BRAZED SEAM BARREL (TYPES T & YAD)</p> <p>SEAMLESS BARREL (TYPES YAV, YAV-L*)</p> <p>SEAMLESS BARREL WITH SHROUD (TYPE YAV-H)</p> <p>SEAMLESS BARREL WITH RIGHT ANGLE (TYPES YAV-R, YAV-RS)</p>	<p>BUTTED SEAM BARREL (TYPE TP)</p>	
	FORKS	<p>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.</p> 	<p>BRAZED SEAM BARREL (TYPES T-F, YAD-F, T-LF, T-BF)</p> <p>SEAMLESS BARREL (TYPE YAV-T-F)</p> <p>SEAMLESS BARREL WITH SHROUD (TYPES YAV-H-F, YAV-Z)</p>	<p>BUTTED SEAM BARREL (TYPE TP-F)</p> <p>BUTTED SEAM BARREL LOCKING FORK (TYPE TP-LF)</p> <p>BUTTED SEAM BARREL BLOCK FORK (TYPE TP-BF)</p> <p>BUTTED SEAM BARREL FLANGED FORK (TYPE TP-Z)</p>
		SPLICES	<p>Smooth funnel entry providing easy wire insertion.</p> 	<p>BUTTED SEAM BARREL (TYPE YSV-B)</p> <p>SEAMLESS BARREL (TYPES YSV, YSV-L)</p>

NYLON	HEAT SHRINK	RADIATION RESISTANT INSULATED
<p>Designed for heavy duty industrial, utility and military power and control-circuit applications.</p>	<p>Designed to provide a durable seal that blocks out contaminants and ensures a better connection.</p>	<p>Designed to meet the requirements for class 1E applications. Provides 200 megarad radiation resistance.</p>
<p>BRAZED SEAM BARREL (TYPES TN & YAES*)</p> <p>SEAMLESS BARREL (TYPE YAEV*)</p> <p>BRAZED BARREL WITH FINGER GRIP (TYPES YAE-G*, YAE-N*)</p>	<p>BUTTED SEAM BARREL (TYPE YHSA)</p>	<p>BRAZED SEAM BARREL (TYPE YAES-K)</p>
<p>BUTTED SEAM BARREL (TYPES TN-LF, TN-BF, YAE-N-LF)</p> <p>BRAZED SEAM BARREL (TYPE TN-F)</p> <p>BUTTED SEAM BARREL WITH FINGER GRIP (TYPE YAE-N-BF)</p> <p>BRAZED SEAM BARREL WITH FINGER GRIP (TYPES YAE-N-F, YAE-Z)</p>	<p>BUTTED SEAM BARREL (TYPE YHSA-F)</p> <p>BUTTED SEAM BARREL LOCKING FORK (TYPE YHSA-K-LF)</p> <p>BUTTED SEAM BARREL BLOCK FORK (TYPE YHSA-K-BF)</p>	
<p>SEAMLESS BARREL (TYPES SN, YSE-H)</p> <p>BUTTED SEAM BARREL WITH INSULATION GRIP (TYPE SN-B)</p> <p>SEAMLESS BARREL WITH FINGER GRIP (TYPE YSE-S)</p>	<p>BUTTED SEAM BARREL (TYPE YSE-HHS)</p>	<p>SEAMLESS BARREL (TYPE YSES-K)</p>

*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

CATALOG # Examples	Style Letter	Insulation	Material Type	Conductor Size	Modifier (1)	Stud Size	Modifier (2)	Package	Plating Type
YAEV10T11BOX	YA	E	V	10		T11		BOX	
YAD1014M	YA		D	10		14		M	
YAV14Z6	YA		V	14	Z	6			
TP168LF	T	P		16		8	LF		
T186FNK	T			18		6	F		NK

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

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

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"

Modifier (2)

F = Fork
 BF = Blocking Fork
 L or LF = Locking Fork
 RH = Right Angle Bend
 RS = Right Angle Bend
 blank = Ring

H_, L_, N_, or T_ = defined by family and size
 blank = Splice

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

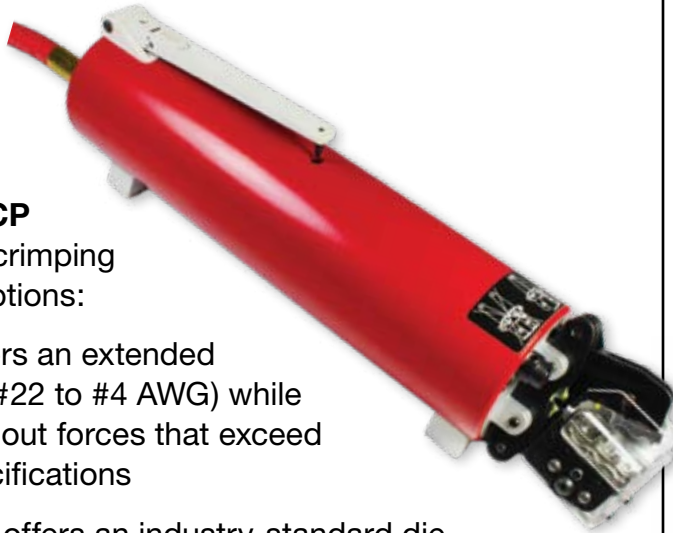
The BURNDY® Y6NCP series of pneumatic crimping tools includes two options:

- 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.

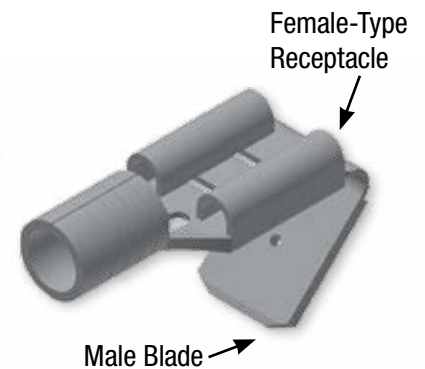
MRE1022 SERIES ERGONOMIC FULL CYCLE RATCHET

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.





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1-800-361-6975 (Quebec)
1-800-387-6487 (All other provinces)

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011-52-722-265-4400

Brazil

011-55-11-5515-7225

Tool Service Center

Littleton Industrial Park
Littleton, NH 03561
1-800-426-8720



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