

TYPES T AND YAD

HYLUG™

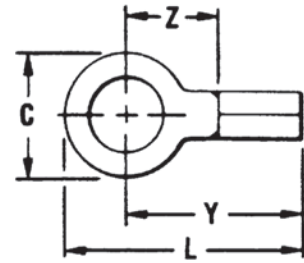
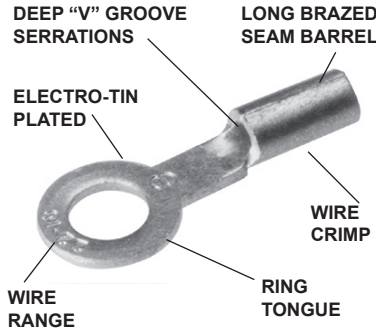
Uninsulated Compression Ring Tongue Terminal

The Type T uninsulated terminals are constructed of pure electrolytic copper. Designed with a long brazed seam barrel, standard neck, deep V groove inner serrations and electro-tin plated. The terminals are ideal for control wiring and other standard duty applications.

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.



**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



Features & Benefits

- Constructed of pure electrolytic copper
  - ◇ Provides maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Long brazed seam barrel and deep V groove inner serrations
  - ◇ Provides optimum conductivity reliability and holding power after crimping
- Electro-tin plated
  - ◇ Provides durable long-lasting corrosion resistance
- Wire range is clearly marked on terminal
  - ◇ Provides easy identification
- Inspection hole
  - ◇ Provides an easy visual check of wire insertion
- Long neck terminal
  - ◇ Permits easy bending and stacking of several terminals on a common stud

| Catalog Number | Wire Range (AWG/kcmil) | Stud Size | Dimensions |        |        |        | Bulk Catalog Number | Installation Tooling | Tape Mounted Catalog Number 2000/Reel | Installation Tooling | Wire Strip Length |
|----------------|------------------------|-----------|------------|--------|--------|--------|---------------------|----------------------|---------------------------------------|----------------------|-------------------|
|                |                        |           | C          | L Max. | Y Max. | Z Min. |                     |                      |                                       |                      |                   |
| T18-4          | 22 AWG-18 AWG          | #3 - #4   | 0.25       | 0.65   | 0.53   | 0.24   | YAD18-4             | YAD18-4M             | TFM with DFM6D1 Die                   | 9/32"                |                   |
| T18-6          |                        | #4 - #6   | 0.25       | 0.65   | 0.53   | 0.24   | YAD18-6             |                      |                                       |                      |                   |
| T18-8          |                        | #6 - #8   | 0.31       | 0.77   | 0.61   | 0.33   | YAD18-8             |                      |                                       |                      |                   |
| T18-10         |                        | #8 - #10  | 0.31       | 0.77   | 0.61   | 0.33   | YAD18-10            |                      |                                       |                      |                   |
| T18-14         |                        | 1/4       | 0.45       | 0.96   | 0.73   | 0.44   | YAD18-14            |                      |                                       |                      |                   |
| T18-516        |                        | 5/16      | 0.45       | 0.96   | 0.73   | 0.44   | YAD18-516           |                      |                                       |                      |                   |
| T18-38         |                        | 3/8       | 0.53       | 1.05   | 0.78   | 0.49   | YAD18-38            |                      |                                       |                      |                   |
| T14-4          | 20 AWG-14 AWG          | #3 - #4   | 0.25       | 0.67   | 0.55   | 0.26   | YAD14-4             | YAD14-6M             | TFM with DFM5D1 Die                   | 9/32"                |                   |
| T14-6          |                        | #4 - #6   | 0.25       | 0.67   | 0.55   | 0.26   | YAD14-6             |                      |                                       |                      |                   |
| T14-8          |                        | #6 - #8   | 0.31       | 0.77   | 0.61   | 0.33   | YAD14-8             |                      |                                       |                      |                   |
| T14-10         |                        | #8 - #10  | 0.31       | 0.77   | 0.61   | 0.33   | YAD14-10            |                      |                                       |                      |                   |
| T14-14         |                        | 1/4       | 0.45       | 0.96   | 0.73   | 0.44   | YAD14-14            |                      |                                       |                      |                   |
| T14-516        |                        | 5/16      | 0.45       | 0.96   | 0.73   | 0.44   | YAD14-516           |                      |                                       |                      |                   |
| T14-38         |                        | 3/8       | 0.53       | 1.05   | 0.78   | 0.49   | YAD14-38            |                      |                                       |                      |                   |
| T10-6          | 12 AWG-10 AWG          | #4 - #6   | 0.37       | 0.83   | 0.64   | 0.29   | YAD10-6             | YAD10-8M             | TFM with DFM4D1 Die                   | 11/32"               |                   |
| T10-8          |                        | #6 - #8   | 0.37       | 0.83   | 0.64   | 0.29   | YAD10-8             |                      |                                       |                      |                   |
| T10-10         |                        | #8 - #10  | 0.38       | 0.83   | 0.64   | 0.29   | YAD10-10            |                      |                                       |                      |                   |
| T10-14         |                        | 1/4       | 0.46       | 0.97   | 0.74   | 0.39   | YAD10-14            |                      |                                       |                      |                   |
| T10-516        |                        | 5/16      | 0.53       | 1.02   | 0.76   | 0.41   | YAD10-516           |                      |                                       |                      |                   |
| T10-38         |                        | 3/8       | 0.58       | 1.08   | 0.79   | 0.44   | YAD10-38            |                      |                                       |                      |                   |
| T10-12*        |                        | 1/2       | 0.69       | 1.21   | 0.86   | 0.61   | —                   |                      |                                       |                      |                   |

\* Not UL Listed or CSA Certified.

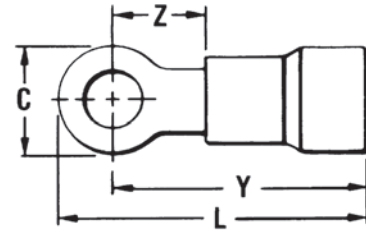
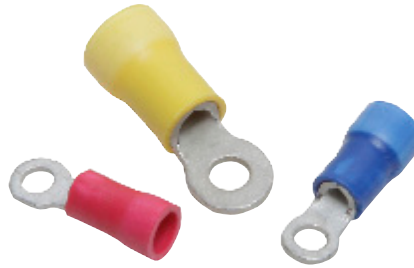
## TYPES TP AND BA

B-8

### VINYLUG™

Terminal — Polyvinylchloride Insulated, Ring Tongue

600 Volts Max., 105° C Max.



VINYLUG™ Type TP is designed for commercial and light duty industrial control and power circuit applications. Supplied with an expanded polyvinyl chloride (PVC) insulation shroud, many tongue variations and rated 600V makes TP terminals versatile and economical.



**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

### Features & Benefits

- Expanded insulation support accepts standard and large wire diameters
  - ◇ Lowers inventory requirements, permits greater flexibility and provides insulation support
- Funnel entry
  - ◇ Easy wire insertion
- Manufactured of pure electrolytic copper
  - ◇ Provides maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Deep V groove serrations in the inner barrel
  - ◇ Provides added holding strength and better conductivity
- Electro-tin plated
  - ◇ Provides durable long-lasting corrosion resistance

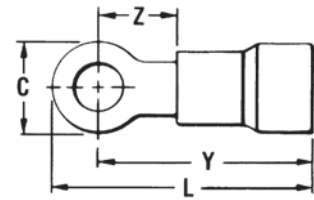
| Catalog Number | Wire Range (AWG/kcmil)  | Stud Size | Dimensions |      |      |      | Bulk Catalog Number | Installation Tooling  | Tape Mounted Catalog Number 2000/Reel | Installation Tooling    | Wire Strip Length |                         |        |
|----------------|---|-----------|------------|------|------|------|---------------------|---|---------------------------------------|-------------------------|-------------------|-------------------------|--------|
|                |   |           | C          | L    | Y    | Z    |                     |   |                                       |                         |                   |                         |        |
| TP16-4         | 22-16<br>Max. Insul.<br>Dia. Accom.: 145<br>Color Code:<br>Red    | #3-#4     | 0.22       | 0.71 | 0.61 | 0.17 | BA16E4              | Plier Type:<br>Y10-22, Y10D<br>or Ratchet Tool:<br>MR8-89-1,<br>MR8-G96,<br>MR15<br>MRE1022NV     | BA16E4M                               | TFM with<br>DFM3D-1 Die | 13/64"            |                         |        |
| TP16-6         |   | #6        | 0.25       | 0.74 | 0.62 | 0.18 | BA16E6              |   | BA16E6M                               |                         |                   |                         |        |
| TP16-8         |   | #6 - #8   | 0.31       | 0.85 | 0.70 | 0.26 | BA16E8              |   | BA16E8M                               |                         |                   |                         |        |
| TP16-10        |   | #8 - #10  | 0.31       | 0.85 | 0.70 | 0.26 | BA16E10             |   | BA16E10M                              |                         |                   |                         |        |
| TP16-14        |   | 1/4       | 0.40       | 0.99 | 0.79 | 0.36 | BA16E14             |   | BA16E14M                              |                         |                   |                         |        |
| TP16-516*      |   | 5/16      | 0.47       | 1.11 | 0.88 | 0.41 | —                   |   | —                                     |                         |                   |                         |        |
| TP16-38        |   | 3/8       | 0.53       | 1.15 | 0.88 | 0.45 | BA16E38             |   | BA16E38M                              |                         |                   | TFM with<br>DFM3D-1 Die | 13/64" |
| TP14-4         | 16-14<br>Max. Insul.<br>Dia. Accom.: 180<br>Color Code:<br>Blue   | #4        | 0.22       | 0.11 | 0.61 | 0.17 | BA14E4              | Plier Type:<br>Y10-22, Y10D<br>or Ratchet Tool:<br>MR8-89-1,<br>MR8-G96,<br>MR15<br>MRE1022NV     | BA14E4M                               | TFM with<br>DFM2D-1 Die | 13/64"            |                         |        |
| TP14-6         |   | #6        | 0.25       | 0.74 | 0.62 | 0.18 | BA14E6              |   | BA14E6M                               |                         |                   |                         |        |
| TP14-8         |   | #6 - #8   | 0.31       | 0.85 | 0.70 | 0.26 | BA14E8              |   | BA14E8M                               |                         |                   |                         |        |
| TP14-10        |   | #8 - #10  | 0.31       | 0.85 | 0.70 | 0.26 | BA14E10             |   | BA14E10M                              |                         |                   |                         |        |
| TP14-14        |   | 1/4       | 0.40       | 0.99 | 0.79 | 0.36 | BA14E14             |   | BA14E14M                              |                         |                   |                         |        |
| TP14-516       |   | 5/16      | 0.53       | 1.15 | 0.88 | 0.45 | BA14E516            |   | BA14E516M                             |                         |                   |                         |        |
| TP14-38        |   | 3/8       | 0.53       | 1.15 | 0.88 | 0.45 | BA14E38             |   | —                                     |                         |                   |                         |        |
| TP10-6         | 12-10<br>Max. Insul.<br>Dia. Accom.: 260<br>Color Code:<br>Yellow | #6        | 0.31       | 0.68 | 0.75 | 0.20 | BA10E6              | Plier Type:<br>Y10-22, Y10D<br>or Ratchet:<br>MR8-89-1,<br>MR15, M8ND<br>w/N10HET-23<br>MRE1022NV | BA10E6M                               | TFM with<br>DFM1D5 Die  | 19/64"            |                         |        |
| TP10-8         |   | #6 - #8   | 0.36       | 1.00 | 0.81 | 0.26 | BA10E8              |   | BA10E8M                               |                         |                   |                         |        |
| TP10-10        |   | #8 - #10  | 0.36       | 1.00 | 0.81 | 0.26 | BA10E10             |   | BA10E10M                              |                         |                   |                         |        |
| TP10-14        |   | 1/4       | 0.53       | 1.22 | 0.95 | 0.40 | BA10E14             |   | BA10E14M                              |                         |                   |                         |        |
| TP10-516       |   | 5/16      | 0.53       | 1.22 | 0.95 | 0.42 | BA10E516            |   | —                                     |                         |                   |                         |        |
| TP10-38        |   | 3/8       | 0.53       | 1.27 | 1.00 | 0.45 | BA10E38             |   | BA10E38M                              |                         |                   | TFM with<br>DFM1D5 Die  | 19/64" |
| TP10-12*       |   | 1/2       | 0.69       | 1.51 | 1.17 | 0.61 | —                   |   | —                                     |                         |                   | —                       | 19/64" |

\* Not UL Listed or CSA Certified.

TYPES TN AND YAES

INSULUG™

Terminal - Nylon Insulated,  
Ring Tongue  
600 Volts Max., 105° C Max.



B-9

INSULUG™ type TN Nylon-insulated terminals are designed for heavy duty industrial, utility and military power and control-circuit applications for wire sizes 26 AWG through 10 AWG. They offer high dielectric strength and stability in oily conditions and meet military CLASS 1 and CLASS 2 requirements per SAE-AS25036 and the requirements of military specifications SAE-AS7928.



**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

Features & Benefits

- An integral one-piece copper barrel / insulation grip and wire strain relief design
  - ◊ Provides improved physical strength characteristics over a multi-piece design
- Manufactured of pure electrolytic copper
  - ◊ Provides maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Brazed seam
  - ◊ Provides a stronger barrel design to minimize any possible splitting and eliminates folding
- Deep inner barrel serrations
  - ◊ Provides excellent electrical conductivity and pullout strength values

- Smooth funnel entry
  - ◊ Easy wire insertion
- The insulation is locked in place
  - ◊ Will not twist off, thereby maintains proper dielectric values
- Electro-tin plated
  - ◊ Provides durable long-lasting resistance to corrosion
- Color-coded and clearly marked
  - ◊ Provides quick, easy wire size identification
- Ring Tongue
  - ◊ Provides a secure termination under the screw head that can not be removed without complete removal of the screw
- Two or more terminals may be stacked on a common stud easily
  - ◊ Provides flexibility and versatility

| Catalog Number | Wire Range (AWG/kcmil)   | Stud Size | SAE-25036 | Dimensions |        |        |        | Bulk Catalog Number | Installation Tooling  | Wire Strip Length |
|----------------|--|-----------|-----------|------------|--------|--------|--------|---------------------|---|-------------------|
|                |  |           |           | C          | L Max. | Y Max. | Z Max. |                     |   |                   |
| TN18-4         | 22-18<br>Max. Insul.<br>Dia. Accom.: .120<br>Color Code:<br>Red    | #3 - #4   | -148      | 0.23       | 0.76   | 0.64   | 0.20   | YAES18N48           | Ratchet:<br>MR8-83<br>MRE1022NV<br>Non-Ratchet:<br>Y10D,<br>Y1022 | 7/32              |
| TN18-6         |  | #4 - #6   | -101      | 0.25       | 0.76   | 0.64   | 0.20   | YAES18N1            |   |                   |
| TN18-6G1*      |  | #4 - #6   | -102      | 0.25       | 0.87   | 0.74   | 0.49   | YAES18N2            |   |                   |
| TN18-8         |  | #6 - #8   | -149      | 0.31       | 0.91   | 0.76   | 0.29   | YAES18N49           |   |                   |
| TN18-10        |  | #8 - #10  | -103      | 0.31       | 0.91   | 0.76   | 0.29   | YAES18N3            |   |                   |
| TN18-14        |  | #12-1/4   | -150      | 0.46       | 1.09   | 0.87   | 0.41   | YAES18N50           |   |                   |
| TN18-516       |  | 5/16      | -104      | 0.46       | 1.09   | 0.87   | 0.41   | YAES18N4            |   |                   |
| TN18-38        |  | 3/8       | -105      | 0.53       | 1.17   | 0.91   | 0.45   | YAES18N5            |   |                   |
| TN14-4         | 16-14<br>Max. Insul.<br>Dia. Accom.: .153<br>Color Code:<br>Blue   | #3 - #4   | -152      | 0.25       | 0.79   | 0.67   | 0.24   | YAES14N52           | Ratchet:<br>MR8-83<br>MRE1022NV<br>Non-Ratchet:<br>Y10D,<br>Y1022 | 7/32              |
| TN14-6         |  | #4 - #6   | -106      | 0.25       | 0.79   | 0.67   | 0.24   | YAES14N6            |   |                   |
| TN14-6G1*      |  | #4 - #6   | -107      | 0.30       | 0.91   | 0.76   | 0.51   | YAES14N7            |   |                   |
| TN14-8         |  | #6 - #8   | -153      | 0.31       | 0.89   | 0.74   | 0.31   | YAES14N53           |   |                   |
| TN14-10        |  | #8 - #10  | -108      | 0.31       | 0.89   | 0.74   | 0.31   | YAES14N8            |   |                   |
| TN14-14        |  | #12-1/4   | -154      | 0.45       | 1.08   | 0.86   | 0.43   | YAES14N54           |   |                   |
| TN14-516       |  | 5/16      | -109      | 0.45       | 1.08   | 0.86   | 0.43   | YAES14N9            |   |                   |
| TN14-38        |  | 3/8       | -110      | 0.53       | 1.16   | 0.90   | 0.47   | YAES14N10           |   |                   |
| TN10-6         | 12-10<br>Max. Insul.<br>Dia. Accom.: .210<br>Color Code:<br>Yellow | #4 - #6   | -111      | 0.37       | 1.12   | 0.94   | 0.26   | YAES10N11           | Ratchet:<br>MR8-83<br>MRE1022NV<br>Non-Ratchet:<br>Y10D,<br>Y1022 | 11/32             |
| TN10-8         |  | #6 - #8   | -156      | 0.37       | 1.12   | 0.94   | 0.26   | YAES10N56           |   |                   |
| TN10-10        |  | #8 - #10  | -112      | 0.37       | 1.12   | 0.94   | 0.26   | YAES10N12           |   |                   |
| TN10-14        |  | #12-1/4   | -157      | 0.53       | 1.32   | 1.06   | 0.37   | YAES10N57           |   |                   |
| TN10-516       |  | 5/16      | -113      | 0.53       | 1.32   | 1.06   | 0.37   | YAES10N13           |   |                   |
| TN10-38        |  | 3/8       | -114      | 0.58       | 1.34   | 1.05   | 0.40   | YAES10N14           |   |                   |
| TN10-12*       |  | 1/2       | —         | 0.69       | 1.51   | 1.18   | 0.61   | YAES10N58           |   |                   |

\* Not UL Listed or CSA Certified.

**Plier Hand Tools**

**Y10D for Nylon & Bare**

Hand-held plier tool for #22 - #10 AWG

- One tool for both nylon insulated and bare connectors
- Precision machined wire cutter for aluminum and copper
- Heavy duty forged steel, rust resistant finish

**Y1022 for Nylon, Vinyl & Bare**

Hand-held plier tool for #22 - #10 AWG

- One step stripping #22 - #10 AWG
- Cuts common size mild steel, non-ferrous screws
- Crimps full range of Nylon, Vinyl and Bare terminals and splices

**For Use On:**

**Y10D:**

**#22 - #10 AWG Nylon Insulated Terminals**

Types: TN, TN-F, YAE-N, YAE-N-F, YAE-Z, YAEV, YAES, YAES-E

**#22 - #10 AWG Nylon Insulated Splices**

Types: SN, YSE-HN\*, SNM, YSES, YSE-H\*

**#22 - #10 AWG Bare Uninsulated Terminals**

Types: T, YAD, T-F, YAD-F, YAV, YAV-T-F, YAV-H\*, YAV-H-F\*, YAV-Z

**#22 - #10 AWG Bare Uninsulated Splices**

Types: YSV, YSV-H\*

**Y1022 all of above and also:**

**#22 - #10 AWG Vinyl Insulated Terminals**

Types: TP, BA, TP-F, BA-EF, TP-Z, BA-EZ

**#22 - #10 AWG Vinyl Insulated Splices**

Types: SP, BS

\*Conductor crimp only



**Specifications: (Catalog Number: Y10D)**

|                  |                         |
|------------------|-------------------------|
| <b>Size:</b>     | 9.75" x 5.00" x 1.00"   |
| <b>Weight:</b>   | 13.5 oz.                |
| <b>Warranty:</b> | 5 year limited warranty |



**Specifications: (Catalog Number: Y1022)**

|                  |                         |
|------------------|-------------------------|
| <b>Size:</b>     | 8.63" x 5.00" x .75"    |
| <b>Weight:</b>   | 11 oz.                  |
| <b>Warranty:</b> | 5 year limited warranty |