

## TYPES YBA, YBA-FX and YBA-A

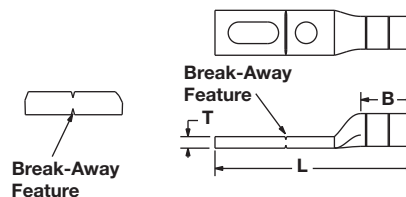
### Break-Away HYLUG™

Copper and Aluminum Compression Terminals

UL Listed 90° C,  
600 Volts to 35 kV

The Break-Away line of Copper and Aluminum HYLUG™ terminals are designed to provide maximum field flexibility by allowing the installer (using the Break-Away feature) to easily convert two-hole terminals to one-hole terminals to suit the application.

The Break-Away line of terminals encompasses a wide range of features that affords the installer the flexibility in meeting the requirements for challenging projects.



### Features and Benefits

- Break-Away feature allows for field modification of the terminal from a two-hole design to a one-hole design and the terminal still retains its UL Listing and CSA Certification.
- Field modification of the terminal does not require specialized tooling or training.
- Stud size is 1/2" on the first stud as well as the slotted second stud.
- Slotted second stud provides built in flexibility for the terminal to conform to various bus bar dimensions. With the slotted second stud, the terminal can be used on two-hole spacing ranging from 1.75" down to 1.00".
- Narrow tongue design allows for the terminal to fit into tight spaces.
- Accommodates a wide range of conductor combinations (AWG, Compact, DLO, Flex as well as Metric)
- Break-Away line of terminals can be installed with standard BURNDY® tooling (example: PAT750XT-18V) and U-dies.
- UL/CSA Listed with 900 kcmil compact aluminum conductor, using Y644 and PAT644 (1 Crimp) tooling platforms only.
- Terminals are range taking when installed with Y644 or PAT644 tooling platforms.



### Copper Break-Away HYLUG™ Compression Terminals

| Copper Connectors |                                      |                    |                |                   |              |                      |                   |                                     |                                                                                                                     |                                     |                                     |            |            |           |                   |
|-------------------|--------------------------------------|--------------------|----------------|-------------------|--------------|----------------------|-------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|------------|------------|-----------|-------------------|
| Catalog Number    | Copper Conductor                     |                    | Stud Hole Size | Stud Hole Spacing | Tongue Width | Dimensions           |                   |                                     | Installation Tooling (# of crimps)                                                                                  |                                     |                                     |            |            |           |                   |
|                   | AWG                                  | ** MM <sup>2</sup> |                |                   |              |                      |                   |                                     | Dieless                                                                                                             | Mechanical                          | Hydraulic                           |            | Color Code | Die Index | Wire Strip Length |
|                   |                                      |                    |                |                   |              | MD6, OUR840, MD7-34R | BCT500HS Y500CTHS | Y35, Y39,Y750, *Y46, PAT750, *PAT46 |                                                                                                                     |                                     |                                     |            |            |           |                   |
| YBAV28FX          | 4/0 Flex 550/24, 4/0 AWG             | 120                | 1/2"           | 1.00" to 1.75"    | .94"         | 1.62"                | .14"              | 5.24"                               | MY29-3 (1),<br>Y644-/PAT644- (1),<br>Y81K-/PAT81K- (2) series<br><br>Y644-/PAT644- (1),<br>Y81K-/PAT81K- (2) series | X28RT (4)<br>W28RT (4)<br>W28VT (4) | X28RT (4)<br>W28RT (4)<br>W28VT (4) | U28RT (2)  | Purple     | 15        | 1-11/16"          |
| YBA29             | 250 kcmil                            | 120                | 1/2"           | 1.00" to 1.75"    | .96"         | 1.62"                | .16"              | 5.21"                               |                                                                                                                     | X29RT (8)<br>W29RT (4)<br>W29VT (4) | X29RT (8)<br>W29RT (4)<br>W29VT (4) | U29RT (2)  | Yellow     | 16        | 1-1/16"           |
| YBA38FX           | 535.3 Flex 1325/24, (500 kcmil nom.) | 300                | 1/2"           | 1.00" to 1.75"    | 1.62"        | 2.81"                | .27"              | 6.76"                               |                                                                                                                     | —                                   | —                                   | U38XRT (4) | Pink       | L99       | 2-7/8"            |
| YBA39             | 750 kcmil                            | 375                | 1/2"           | 1.00" to 1.75"    | 1.63"        | 2.88"                | .27"              | 6.87"                               |                                                                                                                     | —                                   | —                                   | U39RT (4)  | Black      | 24        | 2-15/16"          |
| YBA44FX           | 777.7 Flex 1925/24, (750 kcmil nom.) | 500                | 1/2"           | 1.00" to 1.75"    | 1.62"        | 3.00"                | .32"              | 7.14"                               | —                                                                                                                   | —                                   | U44XRT (4)                          | Yellow     | L115       | 3-1/16"   |                   |

### Aluminum Break-Away HYLUG™ Compression Terminals

| Aluminum Connectors |                                          |                |                   |              |                                      |      |       |                                                           |                                     |            |           |        |                   |
|---------------------|------------------------------------------|----------------|-------------------|--------------|--------------------------------------|------|-------|-----------------------------------------------------------|-------------------------------------|------------|-----------|--------|-------------------|
| Catalog Number      | Aluminum & Copper Code Conductor (AL9CU) | Stud Hole Size | Stud Hole Spacing | Tongue Width | Dimensions                           |      |       | Installation Tooling (# of crimps)                        |                                     |            |           |        | Wire Strip Length |
|                     |                                          |                |                   |              |                                      |      |       | Dieless                                                   | Hydraulic                           | Color Code | Die Index |        |                   |
|                     |                                          |                |                   |              | Y35, Y39, Y750, *Y46, PAT750, *PAT46 |      |       |                                                           |                                     |            |           |        |                   |
|                     |                                          |                |                   |              |                                      |      |       |                                                           |                                     |            |           |        |                   |
| YBA28A              | 4/0 Str., 4/0 Compact                    | 1/2"           | 1.00" to 1.75"    | 1.17"        | 1.39"                                | .30" | 5.19" | MY29-3 (2), Y644-/PAT644- (1)<br>Y81K-/PAT81K- (2) series | U28ART (2)                          | White      | 298       | 1-5/8" |                   |
| YBA29A              | 250 kcmil, 250 Compact                   | 1/2"           | 1.00" to 1.75"    | 1.26"        | 1.45"                                | .33" | 5.28" | Y644-/PAT644- (1)<br>Y81K-/PAT81K- (2) series             | U29ART (2)                          | Red        | 324       | 1-5/8" |                   |
| *** YBA39A          | 700, 750 kcmil, Concentric & Compact     | 1/2"           | 1.00" to 1.75"    | 1.62"        | 2.46"                                | .43" | 7.07" |                                                           | U39ART-2 (2)                        | Yellow     | 936       | 2-7/8" |                   |
| YBA44A              | 1000 kcmil, 1000 Compact                 | 1/2"           | 1.00" to 1.75"    | 1.65"        | 2.74"                                | .55" | 7.76" | —                                                         | P44ART (4) Using *Y46 & *PAT46 only | Brown      | 302       | 3"     |                   |

\* Use PUADP-1 adaptor with "U" dies in Y46/PAT46 platform HYPRESS™.

\*\* The MM<sup>2</sup> conductor sizes listed are the recommendations for class 5 conductor.

\*\*\* UL/CSA listed with 900 kcmil compact aluminum conductor only, using the Y644-/PAT644- (1 crimp) series only.

**For more information, contact FCI - BURNDY Products**

In the U.S. call: 1-800-346-4175

International: 1-603-647-5299

Canada: 1-800-361-6975 (Quebec)

1-800-387-6487 (All Other Provinces)