

## TYPES YA-L, YA-L-FX, YAV, YAV-L-FX

### HYLUG™

Uninsulated Copper Compression Terminal  
UL Listed 90° C, Up to 35 kV ♦

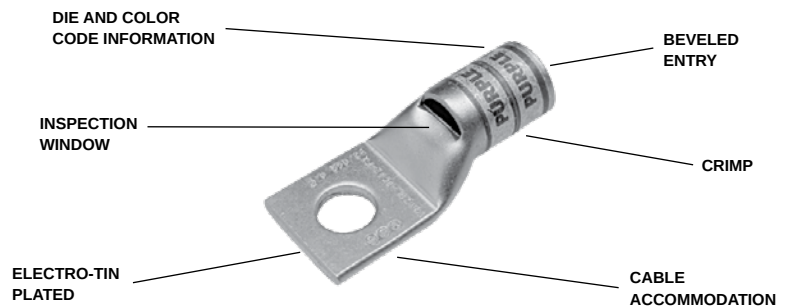
45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175

### Features & Benefits

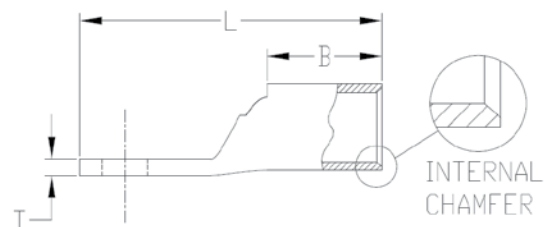
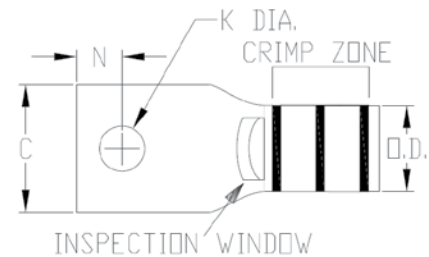
- Inspection windows allows for visual verification that the wire has been fully inserted prior to crimping the lug
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Short/Standard length barrel is recommended for installations with limited space requirements
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- Connectors accommodate wire sizes #10 - 250 kcmil accommodate both Flex and Code Wire. See Tables on each page for specific details
- Tables in this section identify flex wire as the nominal flex wire size followed by the wire classes and DLO wire size and stranding. For Class Wire Strand counts, see the table at the beginning of this section.
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing

### Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G



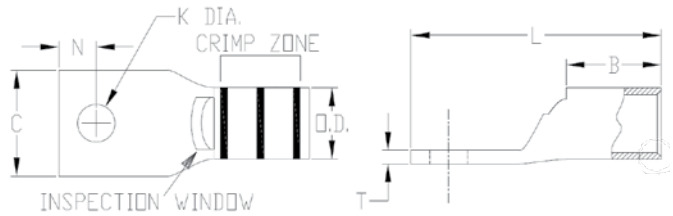
**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.



# Compression Connections

Copper Compression — Terminal — Flex — One Hole  
Standard Barrel — with Inspection Window

## TYPES YA-L, YA-L-FX, YAV, YAV-L-FX (Continued)



▲ See Copper Flex Standard Barrel Terminal Tooling Tables in this section for complete tool and die listing information.

| Catalog Number | Conductor |                                                     |                            | Color Code | Die Index    | Stud Size | Figure Dimensions      |                       |                   |               |                    |                        |                 |                   | Wire Strip Length |
|----------------|-----------|-----------------------------------------------------|----------------------------|------------|--------------|-----------|------------------------|-----------------------|-------------------|---------------|--------------------|------------------------|-----------------|-------------------|-------------------|
|                | Code      | Flex                                                | Metric MM <sup>2</sup> *** |            |              |           | Stud Hole Diameter (K) | Outside Diameter (OD) | Barrel Length (B) | Pad Width (C) | Overall Length (L) | Hole Spacing (E) & (F) | Hole Offset (N) | Pad Thickness (T) |                   |
| YA31LTC14FX    | —         | 250 kcmil<br>I,K,M,<br>262 DLO                      | 150                        | White      | 17 or<br>298 | 1/4       | 0.27                   | 0.88                  | 1.06              | 1.29          | 2.31               | —                      | 0.31            | 0.18              | 1-1/8             |
| YA31LTC516FX   |           |                                                     |                            |            |              | 5/16      | 0.33                   | 0.88                  | 1.06              | 1.29          | 2.37               | —                      | 0.34            | 0.18              |                   |
| YA31LTC38FX    |           |                                                     |                            |            |              | 3/8       | 0.40                   | 0.88                  | 1.06              | 1.29          | 2.50               | —                      | 0.41            | 0.18              |                   |
| YA31LTC12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 0.88                  | 1.06              | 1.29          | 2.75               | —                      | 0.53            | 0.18              |                   |
| YA31LNT12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 0.88                  | 1.06              | 0.96          | 2.75               | —                      | 0.53            | 0.18              |                   |
| YA31LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 0.88                  | 1.06              | 1.29          | 3.00               | —                      | 0.66            | 0.18              |                   |
| YA31LTC34FX    |           |                                                     |                            |            |              | 3/4       | 0.81                   | 0.88                  | 1.06              | 1.29          | 3.19               | —                      | 0.75            | 0.18              |                   |
| YA32LTC38FX    | —         | 300 kcmil<br>G,H,I,K,M,<br>313 DLO                  | 185                        | Red        | 18 or<br>324 | 3/8       | 0.41                   | 0.95                  | 1.19              | 1.40          | 2.68               | —                      | 0.41            | 0.19              | 1-1/4             |
| YA32LTC12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 0.95                  | 1.19              | 1.40          | 2.93               | —                      | 0.53            | 0.19              |                   |
| YA32LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 0.95                  | 1.19              | 1.40          | 3.18               | —                      | 0.66            | 0.19              |                   |
| YA32LTC100FX   |           |                                                     |                            |            |              | 1         | 1.06                   | 0.95                  | 1.19              | 1.74          | 3.87               | —                      | 1.00            | 0.27              |                   |
| YA34LTC516FX   | —         | 350 kcmil<br>G,H,I,K,M,<br>373 DLO                  | 240                        | Blue       | 19 or<br>470 | 5/16      | 0.33                   | 1.06                  | 1.27              | 1.55          | 2.74               | —                      | 0.34            | 0.23              | 1-5/16            |
| YA34LTC38FX    |           |                                                     |                            |            |              | 3/8       | 0.40                   | 1.06                  | 1.27              | 1.55          | 2.87               | —                      | 0.41            | 0.23              |                   |
| YA34LTC12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 1.06                  | 1.27              | 1.55          | 3.12               | —                      | 0.53            | 0.23              |                   |
| YA34LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 1.06                  | 1.27              | 1.55          | 3.37               | —                      | 0.66            | 0.23              |                   |
| YA36LTC12FX    | —         | 500 kcmil<br>G,H<br>444 DLO                         | —                          | Brown      | 20 or<br>299 | 1/2       | 0.53                   | 1.19                  | 1.38              | 1.74          | 3.29               | —                      | 0.53            | 0.27              | 1-3/8             |
| YA36LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 1.19                  | 1.38              | 1.74          | 3.54               | —                      | 0.66            | 0.27              |                   |
| YA38LTC516FX   | —         | 500 kcmil<br>H,I,K<br>550 kcmil<br>G,H,I<br>535 DLO | 300                        | Pink       | L99          | 5/16      | 0.33                   | 1.25                  | 1.45              | 1.84          | 3.03               | —                      | 0.34            | 0.27              | 1-7/16            |
| YA38LTC38FX    |           |                                                     |                            |            |              | 3/8       | 0.40                   | 1.25                  | 1.45              | 1.84          | 3.34               | —                      | 0.50            | 0.27              |                   |
| YA38LTC12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 1.25                  | 1.45              | 1.84          | 3.41               | —                      | 0.53            | 0.27              |                   |
| YA38LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 1.25                  | 1.45              | 1.84          | 3.66               | —                      | 0.66            | 0.27              |                   |
| YA40LTC516FX   | —         | 650 kcmil<br>G,<br>646 DLO                          | 400                        | Black      | 24           | 5/16      | 0.33                   | 1.35                  | 1.42              | 1.98          | 3.05               | —                      | 0.34            | 0.30              | 1-5/16            |
| YA40LTC38FX    |           |                                                     |                            |            |              | 3/8       | 0.40                   | 1.35                  | 1.42              | 1.98          | 3.38               | —                      | 0.50            | 0.30              |                   |
| YA40LTC12FX    |           |                                                     |                            |            |              | 1/2       | 0.53                   | 1.35                  | 1.42              | 1.98          | 3.43               | —                      | 0.53            | 0.30              |                   |
| YA40LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 1.35                  | 1.42              | 1.98          | 3.68               | —                      | 0.66            | 0.30              |                   |
| YA44LTC12FX    | —         | 750 kcmil<br>G,H,I<br>777 DLO                       | 500                        | Yellow     | L115         | 1/2       | 0.53                   | 1.50                  | 1.65              | 2.19          | 3.79               | —                      | 0.53            | 0.33              | 1-5/8             |
| YA44LTC58FX    |           |                                                     |                            |            |              | 5/8       | 0.69                   | 1.50                  | 1.65              | 2.19          | 4.04               | —                      | 0.66            | 0.33              |                   |

♦ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions

Notes: All dimensions shown are for reference only.

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