



## YA34N45, Compression Terminal, 500 kcmil Cu, 1-Hole, 1/2" Stud, Long Barrel, 45 Degree

By Burndy  
Catalog # [YA34N45](#)

500 kcmil CU, One Hole, 1/2 Stud Size, Long Barrel, Internal Chamfer, Tin Plated, UL/CSA, 90°C, Up to 35kV, BROWN Color Code, 20 or 299 Die Index.



### Features

- Barrel designed with internal chamfer at wire entry for smooth insertion of wire, preventing possible damage of the strands
- Long barrel length allows for an increased number of crimps increasing the mechanical strength of the connection
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color

### Application

Wire Termination

### General

|                                      |                         |
|--------------------------------------|-------------------------|
| Catalog Number                       | YA34N45                 |
| Color Code                           | Brown                   |
| Connector Type                       | LONG BARREL             |
| Die Index                            | 20                      |
| Feature - Barrel Style               | Chamfered               |
| Feature - Barrel Type                | Long                    |
| Finish Type                          | Tin-Plated              |
| Material                             | COPPER                  |
| Physical Attribute - Number of Holes | 1                       |
| Plated                               | Y                       |
| Plating Type                         | Tin - Electro Plated    |
| Trade Name                           | HYLUG™                  |
| Type                                 | Long Barrel, Tin Plated |
| UPC                                  | 781810044070            |
| UPC 12 Digit                         | 7818100440700           |

### Dimensions

|                                   |           |
|-----------------------------------|-----------|
| Dimension - B Length fraction     | 2-1/4 in  |
| Dimension - B Length inch         | 2.25 in   |
| Dimension - Bolt Hole Size inch   | 0.52 in   |
| Dimension - Bolt Size fraction    | 1/2       |
| Dimension - Bolt Size inch        | 0.5       |
| Dimension - Height inch           | 2.97 in   |
| Dimension - Hole Size fraction    | 1/2       |
| Dimension - Hole Size inch        | 0.56      |
| Dimension - Hole Size mm          | 14 mm     |
| Dimension - L Length Overall mm   | 101 mm    |
| Dimension - Length Overall inch   | 3.96 in   |
| Dimension - N inch                | 0.63 in   |
| Dimension - Outside Diameter inch | 1.06 in   |
| Dimension - Pad Width inch        | 1.55 in   |
| Dimension - Strip Length inch     | 2-5/16    |
| Dimension - Stud Size fraction    | 1/2       |
| Dimension - Z (inch)              | 0.64 in   |
| Physical Attribute - Tongue Angle | 45 Degree |

### Electrical Ratings

|                   |       |
|-------------------|-------|
| Voltage - Maximum | 35000 |
| Voltage Rating    | 35 kV |

### Conductor Related

|                                   |           |
|-----------------------------------|-----------|
| Conductor - Copper DLO Size Range | N/A       |
| Conductor - Copper Str Size       | 500 KCMIL |
| Conductor - Copper Str Size Range | 500 kcmil |
| Conductor - Material              | COPPER    |
| Conductor Size                    | 500 KCMIL |
| Conductor Type                    | CODE      |

## Certifications And Compliance

|                                    |              |
|------------------------------------|--------------|
| Certification - CSA Approved       | Yes          |
| Certification - ETL                | No           |
| Certification - UL Recognized      | No           |
| Certification - cULus              | No           |
| Industry Standard(s)               | UL 486A-486B |
| Standards - RoHS Compliance Status | CM           |
| UL Listed                          | Yes          |

## Logistics

|                       |      |
|-----------------------|------|
| Carton Quantity       | 25   |
| Minimum Pack Quantity | 5    |
| Pallet Quantity       | 3750 |

## Product Assets

- [Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog](#)
- [Customer Notices - Prop 65 Notice](#)
- [Interactive Catalog - BURNDY Full-Line Digital Catalog](#)
- [Sales Drawings - SE209241-20](#)
- [Video - HYDENT Compression Terminal Overview Video](#)



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BRDY-YA34N45-SPEC-EN | REV 8/2024