



## YA8CL145, 8 AWG, 23 Navy, 1/4" Stud, Standard, 45 Degree

By Burndy  
Catalog # [YA8CL145](#)

Copper HYLUG™, Single Hole W/ Insp Window, #8 AWG, 23 Navy, 600 V-35 kV, 1/4" Stud, Red, 49 Index, Electro-Tin plated, 45 Degree Bend



### Features

- Barrel designed with internal chamfer at wire entry for smooth insertion of wire, preventing possible damage of the strands
- Standard barrel length is recommended for installations with limited space availability
- 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

### Application

Wire Termination

### Specifications

|                                    |                                                                                                                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certification - UL Recognized      | No                                                                                                                                                                                                                                                      |
| Buy American Compliant             | Yes                                                                                                                                                                                                                                                     |
| Certification - cULus              | No                                                                                                                                                                                                                                                      |
| Buy America(n) Qualified           | <ul style="list-style-type: none"><li>• Buy America Compliant (All status valid till December 2026)</li><li>• Buy American Act Compliant (All status valid till December 2026)</li><li>• BABA Compliant (All status valid till December 2026)</li></ul> |
| Industry Standard(s)               | UL 486A-486B                                                                                                                                                                                                                                            |
| Certification - ETL                | No                                                                                                                                                                                                                                                      |
| Standards - Industry Standards Met | UL467                                                                                                                                                                                                                                                   |
| Standards - RoHS Compliance Status | CM                                                                                                                                                                                                                                                      |
| UL Listed                          | Yes                                                                                                                                                                                                                                                     |
| Certification - CSA Approved       | Yes                                                                                                                                                                                                                                                     |

### Conductor

|                                   |         |
|-----------------------------------|---------|
| Conductor - Material              | COPPER  |
| Wire Size                         | 8 AWG   |
| Conductor - Copper Flex K Size    | "8 AWG" |
| Conductor - Copper Flex M Size    | "8 AWG" |
| Conductor - Copper Str Size       | "8 AWG" |
| Conductor - Copper Flex G Size    | "8 AWG" |
| Conductor - Copper DLO Size Range | N/A     |

|                                        |             |
|----------------------------------------|-------------|
| Conductor - Copper Str Compact Size    | "8 AWG"     |
| Conductor - Copper DLO Size            | 8 AWG       |
| Conductor Size                         | 8 AWG       |
| Conductor - Copper Flex H Size         | "8 AWG"     |
| Conductor - Copper Str Navy Size Range | 23 (7) Navy |
| Conductor - Copper Str Navy Size       | 23          |
| Conductor - Copper Solid Size          | 6 Sol-8 Sol |
| Conductor - Copper Solid Size Range    | 8-6 Sol     |
| Conductor Type                         | CODE/FLEX   |
| Conductor - Copper Str Size Range      | 8 AWG       |
| Conductor - Copper Flex I Size         | "8 AWG"     |

### Configuration

|                                      |                 |
|--------------------------------------|-----------------|
| Physical Attribute - Number of Holes | 1               |
| Number of Pad Holes                  | 1               |
| Connector Type                       | STANDARD BARREL |

### Current

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

### Dimensions

|                                   |           |
|-----------------------------------|-----------|
| Dimension - Pad Width inch        | 0.44 in   |
| Package Height                    | 0.000 in  |
| Dimension - Hole Size fraction    | 1/4       |
| Package Weight                    | 0.000 lb. |
| Package Length                    | 0.000 in  |
| Package Width                     | 0.000 in  |
| Dimension - L Length Overall mm   | 31 mm     |
| Dimension - Outside Diameter inch | 0.27 in   |
| Dimension - Hole Size mm          | 6.9 mm    |
| Dimension - Hole Size inch        | 0.27      |
| Dimension - Strip Length inch     | 7/16      |
| Dimension - Stud Size inch        | 1/4       |
| Dimension - Stud Size fraction    | 1/4       |
| Dimension - Bolt Hole Size inch   | 0.27 in   |
| Dimension - Bolt Size fraction    | 1/4       |

|                                   |           |                                   |                             |
|-----------------------------------|-----------|-----------------------------------|-----------------------------|
| Physical Attribute - Tongue Angle | 45 Degree | Plated                            | Y                           |
| Angle - Pad                       | 45 °      | Color Code                        | Red                         |
| Dimension - B Length fraction     | 7/16 in   | Physical Attribute - Tongue Type  | Standard                    |
| Dimension - Z inch                | 0.33 in   | UPC                               | 781810019191                |
| Dimension - B Length inch         | 0.44 in   | Type                              | Standard Barrel, Tin Plated |
| Dimension - D inch                | 0.58 in   | Material                          | Copper                      |
| Dimension - N inch                | 0.25 in   | Plating Type                      | Tin - Electro Plated        |
| Dimension - Bolt Size inch        | 0.25      | Finish Type                       | Tin-Plated                  |
| Dimension - Length Overall inch   | 1.24 in   | UPC 14 Digit GTIN                 | 00781810019191              |
| <b>General</b>                    |           | <b>Logistics</b>                  |                             |
| Trade Name                        | HYLUG™    | Minimum Pack Quantity             | 50                          |
| Die Index                         | 49        | Carton Quantity                   | 50                          |
| Feature - Barrel Type             | Standard  | <b>Product Assets</b>             |                             |
| Feature - Barrel Style            | Chamfered | <a href="#">Catalog [English]</a> |                             |

