



YA6CA1, Compression Terminal, 6 AWG Al, 1-Hole, 1/4" Stud

By Burndy

Catalog # [YA6CA1](#)

6 AWG, AL, 1-Hole, 1/4" Stud, AL9CU, Prefilled with oxide inhibitor, End Cap, Tin Plated

Features

- UL486A-486B Listed and CSA Certified
- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector - AL9CU is UL Listed 90°C, up to 35kV, AL7CU is UL Listed 75°C, up to 35kV
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection, it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection

Application

Wire Termination

Specifications

Certification - UL Recognized	No
Buy American Compliant	No
Certification - cULus	No
EU RoHS Indicator	Yes
Industry Standard(s)	UL 486A-486B
Certification - ETL	No
Standards - Industry Standards Met	UL 486A-486B
Standards - RoHS Compliance Status	CM
UL Listed	Yes
Certification - CSA Approved	Yes

Conductor

Conductor - Material	ALUMINUM / COPPER
Wire Size	6 AWG
Conductor - AL Str Size	6 AWG
Conductor - AL Str Size Range	6 AWG
Conductor - Copper Str Size	6 AWG



Conductor Size	6 AWG
Conductor Type	CODE
Conductor - Copper Str Size Range	6 AWG

Configuration

Physical Attribute - Number of Holes	1
Number of Pad Holes	1
Connector Type	DUAL RATED

Current

Voltage Rating	35 kV
Voltage - Maximum	35000

Dimensions

Dimension - Pad Width inch	0.47 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	47 mm
Dimension - Outside Diameter inch	0.34 in
Dimension - Thread Size	1/4 in
Dimension - Hole Size mm	6.9 mm
Dimension - Hole Size inch	0.27
Dimension - Strip Length inch	3/4
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	Straight
Dimension - B Length fraction	3/4 in
Dimension - Z inch	0.42 in
Dimension - B Length inch	0.75 in
Dimension - D inch	0.75 in
Dimension - N inch	0.33 in
Dimension - Bolt Size inch	0.25
Dimension - Length Overall inch	1.84 in

General

Trade Name	HYLUG™	UPC 14 Digit GTIN	00781810752104
Die Index	346		
Feature - Barrel Type	Standard		
Plated	Y		
Color Code	Gray		
Physical Attribute - Tongue	Standard		
Type			
Sub Brand	HYLUG		
UPC	781810752104		
Type	YA-A, Dual Rated		
Material	Aluminum		
Plating Type	Tin - Electro Plated		
Finish Type	Tin-Plated		
UPC 12 Digit	781810752104		

Logistics

Minimum Pack Quantity	1
Carton Quantity	10

Operational

Temperature Rating	194
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Product Assets

- [Catalog \[English\]](#)
- [Installation Manual \[English\]](#)
- [Installation Manual \[English\]](#)



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