



AYPO1000, Compression Pin Adapter, 1000 kcmil, AL9CU

By Burndy
Catalog # [AYPO1000](#)

1000 kcmil, Aluminum Termination, Offset Pin, .81" Pin Dia, 1.76" Pin Length

Features

- All-aluminum electro-tin plated design eliminates possible bi-metallic corrosion
- Provides the shortest connector length design possible permitting easy installation in equipment with limited working space
- Solid electro-tin plated aluminum plug
- Proper electrical connection made easily and eliminates the "how tight is tight" issue
- Solid plug has equivalent cross-sectional area as current carrying equivalent copper wire permitting use of larger aluminum wire to connect equipment
- Offset plug design available in sizes 2/0 through 750 kcmil providing flexibility and maximizing the use of limited space while eliminating interference between conductors and equipment
- Electro-tin plating resists corrosion
- Factory pre-filled with PENETROX oxide inhibiting compound with conductive metallic particles to penetrate aluminum oxide between strands and forms an air-tight connection
- EPDM rubber covers supplied with each connector and rated for 600V eliminating taping
- Only 5 die sets are required to install the complete line from #6 to 750 kcmil reducing inventory requirements
- Supplied in plastic convenience pack so cover and connector are kept together and free of foreign material until opened
- Connectors are clearly marked with catalog number, wire size, along with a color-coded die index providing clear, easy to use information
- Aluminum pin terminals are dual rated to accommodate both copper and aluminum wire
- Short pin length design permits easy installation in limited space applications
- rated for the full ampacity of the incoming conductor
- Smooth surface on the pin allows for greater contact area and electrical connectivity
- Solid pin design eliminates "how tight is tight" torque requirement problem and eliminates over torquing on stranded pin adapters that can result in damaged strands increasing resistance
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging 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

Standards - Industry Standards	UL 486A-486B
Met	
Industry Standard(s)	UL 486A-486B
UL Listed	Yes

Conductor

Conductor - Copper DLO Size Range	777 kcmil
Conductor - Copper Str Compact Size	1000 KCMIL
Conductor - Copper DLO Size	777 DLO
Conductor Size	1000 KCMIL
Conductor - Material	ALUMINUM / COPPER
Wire Size	1000 KCMIL
Conductor - AL Str Size	1000 KCMIL
Conductor - AL Str Size Range	1000 kcmil
Conductor Type	CODE/FLEX
Conductor - Copper Str Size Range	1000 kcmil
Conductor - Copper Str Size	1000 KCMIL

Configuration

Connector Type	OFFSET PIN
----------------	------------

Current

Voltage Rating	35 kV
----------------	-------

Dimensions

Package Height	0.000 in
Length	4.17 in

Equivalent Pin Size	500 kcmil	Die Index	302
Package Weight	0.000 lb.	UPC	621945586444
Package Length	0.000 in	Type	Aluminum Pin Adapters
Package Width	0.000 in	Material	Aluminum
Height	1.84 in	Finish Type	Tin-Plated
Width	1.84 in		
Dimensions	4.17 in x 1.84 in x 1.84 in		
General		Logistics	
Terminal Type	Pin	Pallet Quantity	1776
Color Code	Brown	Carton Quantity	6
Pin Type	Solid		
Trade Name	HYPLUG™	Product Assets	
		Catalog [English]	



A Hubbell brand