

Penn-Union Type SSS Bronze Service Post Connectors (Male Design)



Penn-Union Type SSS Bronze Service Post Connectors are manufactured from high copper content wrought alloy for maximum conductivity.

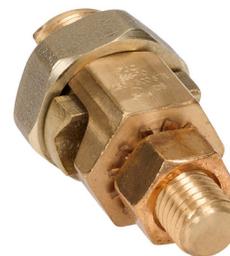
These connectors are designed to connect one copper cable to a steel structure, bus bar, transformer, or electrical enclosure.

Features

- True hex design allows easy installation with standard tooling (torque wrench, standard socket, box, or open-end wrench)
- Split bolt design provides maximum conductor pull-out performance
- UL listed for use as a power connector per UL 486A-486B and for grounding and bonding applications per UL 467
- Suitable for direct burial in earth or concrete
- Stud mounting hardware included
- Reusable with proper installation practice
- Only suitable for use with copper conductors



SSS-0-SMH-1



SSS-10-SMH-1

Standards

UL 486A-486B, "Wire Connectors"
UL 467, "Grounding and Bonding Equipment"
CSA C22.2 No. 65, "Wire Connectors"
CSA C22.2 No. 41, "Grounding and Bonding Equipment"



786F
WIRE CONNECTOR
UL File E73393

Penn-Union Type SSS Bronze Service Post Connectors Selection Guide

Part Number	Price	Conductor Range (CU Only)	Stud Thread Size	Nut Hex Size (in)	Body Hex Size (in)	Wire Terminal Torque (in-lb)	Mounting Hardware Hex Size (in)	Lock Washer Size (in)	Mounting Hardware Torque (in-lb)	Drawing
<u>SSS-0-SMH-1</u>	\$11.50	12 Sol. to 8 Str.	1/4in-20 UNC	1/2	3/8	80	7/16	1/4	80	PDF
<u>SSS-1-SMH-1</u>	\$16.00	8 Sol. to 7 Str.	1/4in-20 UNC	11/16	1/2	80	7/16	1/4	80	PDF
<u>SSS-2-SMH-1</u>	\$15.50	10 Sol. to 4 Str.	5/16in-18 UNC	3/4	9/16	80 (10-8 AWG) 165 (6-4 AWG)	1/2	5/16	180	PDF
<u>SSS-3-SMH-1</u>	\$23.50	6 Sol. to 3 Str.	3/8in-16 UNC	13/16	5/8	165 (6-4 AWG) 275 (3 AWG)	9/16	3/8	240	PDF
<u>SSS-4-SMH-1</u>	\$14.00	4 Str. to 2 Str.	3/8in-16 UNC	7/8	11/16	165 (4 AWG) 275 (3-2 AWG)	9/16	3/8	240	PDF
<u>SSS-5-SMH-1</u>	\$28.50	6 Sol. to 1/0 Str.	1/2in-13 UNC	1	3/4	165 (6-4 AWG) 275 (3-1 AWG) 385 (1/0 AWG)	3/4	1/2	480	PDF
<u>SSS-6-SMH-1</u>	\$41.50	1 Sol. to 2/0 Str.	1/2in-13 UNC	1-1/8	7/8	275 (1 AWG) 385 (1/0-2/0 AWG)	3/4	1/2	480	PDF
<u>SSS-8-SMH-1</u>	\$58.00	3/0 Sol. to 4/0 Str.	5/8in-11 UNC	1-3/8	1-1/8	500	15/16	5/8	660	PDF
<u>SSS-9-SMH-1</u>	\$150.00	4/0 Str. to 350 kcmil	5/8in-11 UNC	1-1/2	1-1/4	500 (4/0 AWG) 650 (250-350 kcmil)	15/16	5/8	660	PDF
<u>SSS-10-SMH-1</u>	\$185.00	250 to 500 kcmil	3/4in-10 UNC	1-13/16	1-1/2	650 (250-350 kcmil) 825 (400-500 kcmil)	1-1/8	3/4	1050	PDF

Penn-Union CUAL-GEL and CUAL-AID Oxide Inhibitors



Penn-Union CUAL-GEL and CUAL-AID Selection Guide			
Part Number	Price	Recommended Use	Unit Packaging
1/2PT10CUALGEL-1	\$15.00	CUAL-GEL is for use with conductors, connectors and conduit	8 oz squeeze bottle
1/2PT10NO11C-1	\$18.00	CUAL-AID #11C is for aluminum-to-aluminum, aluminum-to-copper, conduit threads, and bolted applications	8 oz squeeze bottle
1/2PT10NO12C-1	\$27.00	CUAL-AID #12C is for use with compression lugs and splices for aluminum-to-aluminum and aluminum-to-copper in all compression applications. Not for use on threads or bolted applications.	8 oz squeeze bottle

[1/2PT10CUALGEL-1](#)

CUAL-GEL

Penn-Union CUAL-GEL is a non-melting, non-petroleum-based compound specifically designed to prevent oxidation and corrosion of aluminum, copper, tin and steel. It offers advanced protection under a variety of environmental conditions.

Features

- Prevents oxidation and corrosion
- Multiple uses with conductors, connectors and conduit
- Has little or no effect on rubber and other insulating materials
- Easy clean-up with soap and water

CUAL-AID #11C

Penn-Union CUAL-AID #11C is a high quality, non-melting, non-petroleum base electrical joint compound with suspended zinc particles. It is for use with compression lugs and splices and is recommended for aluminum-to-aluminum, aluminum-to-copper, conduit threads, and bolted applications.

Features

- Prevents oxidation and corrosion
- Has little or no effect on rubber and other insulating materials

CUAL-AID #12C

Penn-Union CUAL-AID #12C is a high quality compression use compound consisting of a non-melting, non-petroleum base material with suspended zinc particles and abrasive grit. It is for use with compression lugs and splices.

Features

- Prevents oxidation and corrosion
- Has little or no effect on rubber and other insulating materials

Easy to Apply

Connectors: DO NOT wire-brush the grooves or contact surfaces of plated or grease coated connectors. For unplated, ungreased connectors, wire-brush contact surfaces until bright and clean. Immediately apply compound to the conductive surfaces. Install conductor and finish installation.

Cable: Apply compound and wire-brush into strands of aluminum cable. This removes oxide coating from the strands and prevents it from reforming. Install conductor and finish installation.

Bar: Wire-brush compound across the surface of the bar to remove oxide coating and finish installation. DO NOT wire-brush plated surfaces; simply apply compound and finish installation.

Properties of CUAL-AID and CUAL-GEL				
Property	Definition	CUAL-GEL	CUAL-AID #11C (With zinc particles)	CUAL-AID #12C (With zinc and grit)
Penetration (Unworked)	The value in accordance with ASTM D217 indicates the consistency of a compound. The higher the number, the softer the compound.	230-270	240-280	220-260
Dropping Point (Min)	The temperature at which the compound passes from semi-solid to liquid state under test conditions	500 °F [260 °C] Non-melting		
Pour Point (Max)	The lowest temperature at which the compound will flow. Pour point is the lubricant's ability to perform in cold conditions.	-10 °F [-23.3 °C]		
Service Temperature Range	After installation, the temperature at which the compound is expected to perform and protect.	-58 to +302 °F [-50 to +150 °C]		