



# SUPERFLOW<sup>®</sup> 0 BRAZING ALLOY

U.S. ALLOY CO.  
dba Washington Alloy  
7010-G Reames Rd.  
Charlotte, NC 28216  
[www.weldingwire.com](http://www.weldingwire.com)

WASHINGTON ALLOY'S  
Quality Management System is  
Certified to ISO 9001:2008  
Cert # 05-R0925



## ALLOY DESCRIPTION AND APPLICATION:

**SUPERFLOW<sup>®</sup> 0** is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy is commonly used where there is a close or controlled fit up. *Superflow* brazing flux is needed when working on brazeable grades brass or bronze. Phos-Copper alloys are self-fluxing on copper but should not be used, on copper alloys containing more than 10% nickel, steels, and ferrous metals or in any sulfurous atmospheres. Aluminum bronze requires the use of Aluminum bronze brazing flux.

## CHEMICAL COMPOSITION, Weight Percent:

Phosphorus	7.0-7.5
Copper	Balance
Total Others Elements	0.15

## PHYSICAL DATA:

Solidus	1310°F (710°C)
Liquidus	1460°F (793°C)
Brazing Range	1350-1500°F (732-816°C)
Color	Bright Copper
Specific Gravity	8.13
Density (lb/cu in.)	0.287
Electrical Conductivity (% of IACS)	8.5
Electrical Resistivity (Microhm-cm)	21.5

## AVAILABLE SIZES:

TAG 0 = 20" Rods of 1/16, 3/32, 1/8 X .050  
36" Rods of 3/32, 1/8, 3/16, 1/4  
Spools of 1/16  
Other sizes available – please inquire

## SPECIFICATIONS:

<b>AWS</b> A5.8/A5.8M	BCuP-2
<b>ASME</b> SFA5.8	BCuP-2
<b>FED</b> QQ-B-650C	BCuP-2

EAST COAST  
7010-G Reames Rd  
Charlotte, NC 28216  
Tel (888) 522-8296  
Fax (704)598-6673

GULF COAST  
4755 Alpine Drive #100A  
Stafford, TX 77477  
Tel (877) 711-9274  
Fax (281)313-6332

WEST COAST  
8535 Utica Ave  
Rancho Cucamonga, CA 91730  
Tel(800)830-9033  
Fax (909)291-4586



Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

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