



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

# SUPERFLOW<sup>®</sup> 5 BRAZING ALLOY

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



**American Welding Society**  
Sustaining Company Member



## ALLOY DESCRIPTION AND APPLICATION:

*SUPERFLOW<sup>®</sup> 5* is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy may be used where joint clearance are wider than desired and will fill moderate size gaps. *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:

Silver	4.8-5.2
Copper	Balance
Phosphorus	5.8-6.2
Total Others Elements	0.15

### PHYSICAL DATA:

Solidus	1190°F (643°C)
Liquidus	1495°F (813°C)
Brazing Range	1325-1500°F (718-816°C)
Color	Bright Light Copper
Specific Gravity	8.13
Density (lb/cu in.)	0.293
Electrical Conductivity (% of IACS)	9.6
Electrical Resistivity (Microhm-cm)	18.11

### AVAILABLE SIZES:

TAG 5 = 20" Rods of 1/16, 1/8, 1/8 X .050  
36" Rods of 3/32, 1/8  
Other sizes available – please inquire

### SPECIFICATIONS:

<b>AWS</b> A5.8/A5.8M	BCuP-3
<b>ASME</b> SFA5.8	BCuP-3
<b>FED</b> QQ-B-650C	BCuP-3

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