



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

# SUPERFLOW<sup>®</sup> 6 (6HP) BRAZING ALLOY

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



## ALLOY DESCRIPTION AND APPLICATION:

**SUPERFLOW<sup>®</sup> 6 (6HP)** is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy has higher phosphorus than most phos-copper alloy giving it a "quick flow" useful in production setting as well as automated applications. *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	5.8-6.2
Copper	Balance
Phosphorus	7.0-7.5
Total Others Elements	0.15

## PHYSICAL DATA:

Solidus	1190°F (643°C)
Liquidus	1325°F (718°C)
Brazing Range	1275-1450°F (691-788°C)
Color	Bright light Copper
Specific Gravity	9.03
Density (lb/cu in.)	0.292
Electrical Conductivity (% of IACS)	15.1
Electrical Resistivity (Microhm-cm)	11.38

## AVAILABLE SIZES:

TAG 6 = 20" Rods of 1/16, 3/32, 1/8 X .050  
36" Rods of 1/8, 3/16  
Other sizes available – please inquire

## SPECIFICATIONS:

<b>AWS</b> A5.8/A5.8M	BCuP-4
<b>ASME</b> SFA5.8	BCuP-4
<b>FED</b> QQ-B-650	BCuP-4

### EAST COAST

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