



WASHINGTON ALLOY'S
Quality Management System is
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Cert # 05-R0925

SUPERFLOW[®] 2 BRAZING ALLOY

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
Charlotte, NC 28216
www.weldingwire.com



ALLOY DESCRIPTION AND APPLICATION:

SUPERFLOW[®] 2 is a Phos-copper brazing alloy formulated to join copper, brass and bronze. This alloy is commonly used where cost may be a factor without sacrificing good flowing and leak free characteristics. *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	1.8-2.2
Copper	Balance
Phosphorus	6.8-7.2
Total Others Elements	0.15

PHYSICAL DATA:

Solidus	1190°F (643°C)
Liquidus	1450°F (788°C)
Brazing Range	1350-1500°F (732-816°C)
Color	Bright Light Copper
Specific Gravity	8.03
Density (lb/cu in.)	0.290
Electrical Conductivity (% of IACS)	5.5
Electrical Resistivity (Microhm-cm)	31.5

AVAILABLE SIZES:

TAG 2 = 20" Rods of 1/16, 1/8 X .050
36" Rods of 3/32, 1/8, 1/8 X .050
Other sizes available – please inquire

SPECIFICATIONS:

AWS A5.8/A5.8M	BCuP-6
ASME SFA5.8	BCuP-6
FED QQ-B-650C	BCuP-6

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