



Quality Management System
in accordance with
ISO 9001:2000
Cert # 05-R0925

SUPERFLOW[®] 5 BRAZING ALLOY

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



ALLOY DESCRIPTION AND APPLICATION:

SUPERFLOW[®] 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:

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

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

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



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