



LOW FUMING BRONZE ALLOY

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

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



ALLOY DESCRIPTION AND APPLICATION:

Washington Alloy Low Fuming Bronze is a general-purpose oxyacetylene brazing rod used for steel, copper alloys, cast iron, nickel alloys and stainless steel. A balanced chemical analysis of copper and zinc as well as alloying elements of tin, iron, manganese and silicon produce weld deposits are easily attained simply by applying a neutral or slightly oxidizing flame. The high silicon content of Washington Alloy Low Fuming Bronze keeps fumes to a minimum. Preheating is required for some applications and bronze brazing flux is required for the bare rods.

CHEMICAL COMPOSITION, Weight Percent:

Copper	56.0-60.0	Iron	0.25-1.20
Zinc	Balance	Manganese	0.01-0.50
Tin	0.80-1.10	Silicon	0.04-0.15
Total Others Elements	0.50 max including Pb of 0.05 and Al of 0.01 on each		

PHYSICAL DATA: Typical

Solidus	1590°F (866°C)
Liquidus	1630°F (888°C)
Brazing Range	1330-1550°F (721-843°C)
Color	Yellow Brass
Hardness as welded	80-100 Brinell
Tensile Strength	60-68,000

AVAILABLE SIZES:

TCU LFB/ =Bare Rods of 1/16, 2.0MM, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8
TCU LFB = Flux Coat Rods of 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4
Other sizes available – please inquire

SPECIFICATIONS:

AWS A5.8/A5.8M
ASME SFA5.8

RBCuZn-C
RBCuZn-C



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

GULF COAST
4855 Alpine Drive #190
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

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Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

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