



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

# SUPERFLOW<sup>®</sup> 56 CF 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> 56 CF* is a cadmium free silver brazing alloy with a narrow melting range and the lowest working temperature in the cad-free family yielding premium flow, wetting, ductility, penetration. *SUPERFLOW 56CF* is commonly used to join any combinations of copper, brass, steel, bronze and stainless steel. This alloy is a great choice for food handling equipment and color match on stainless and nickel alloys while minimizing stress corrosion cracking.

## CHEMICAL COMPOSITION, Weight Percent:

Silver	55.0-57.0
Copper	21.0-23.0
Zinc	15.0-19.0
Tin	4.5-5.5
Total Others Elements	0.15

## PHYSICAL DATA:

Solidus	1145°F (618°C)
Liquidus	1205°F (652°C)
Brazing Range	1205-1400°F (652-760°C)
Color	White to light gold
Specific Gravity	9.47
Density (Troy oz./cu in.)	5.00
Electrical Conductivity (% of IACS)	20.5
Electrical Resistivity (Microhm-cm)	9.58

## AVAILABLE SIZES:

TAG 56CF = Troy Ounce Coils and Rods of .030, .045, 3/64, 1/16, 3/32, 1/8

TAG 56CF = Flux coated rods of 1/16, 3/32, 1/8

Other sizes available – please inquire

## SPECIFICATIONS:

<b>AWS</b> A5.8/A5.8M	B <sub>Ag</sub> -7
<b>ASME</b> SFA5.8	B <sub>Ag</sub> -7
<b>FED</b> QQ-B-654	B <sub>Ag</sub> -7

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