



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

# SUPERFLOW<sup>®</sup> 40N CF 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> 40N CF* is a cadmium free silver brazing alloy with nickel and has a wide melting temperature range which has slower flow for wide joint clearances or poor fit-ups. *SUPERFLOW 40N CF* is commonly used to join any combinations of copper, brass, steel, bronze, carbide tips and stainless steel. The addition of nickel improves the corrosion needed with stainless and nickel alloys while minimizing stress corrosion cracking as well as interface corrosion.

## CHEMICAL COMPOSITION, Weight Percent:

Silver	39.0-41.0
Copper	29.0-31.0
Zinc	26.0-30.0
Nickel	1.5-2.5
Total Others Elements	0.15

## PHYSICAL DATA:

Solidus	1240°F (671°C)
Liquidus	1435°F (779°C)
Brazing Range	1435-1650°F (779-899°C)
Color	Light-Yellow
Specific Gravity	9.17
Density (Troy oz./cu in.)	4.76
Electrical Conductivity (% of IACS)	16.78
Electrical Resistivity (Microhm-cm)	9.94

## AVAILABLE SIZES:

TAG 40NCF =Troy Ounce Coils and Rods of 1/16, 3/32, 1/8  
Other sizes available – please inquire

## SPECIFICATIONS:

AWS A5.8/A5.8M	BAG-4
ASME SFA5.8	BAG-4

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

GULF COAST  
4755 Alpine Drive #100 A  
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



DC 2012

Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

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