



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

# SUPERFLOW<sup>®</sup> 96.5/3.5 Tin/Silver

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>** 96.5/3.5 Silver Bearing Solder has excellent strength with high elongation and vibration resistance for sound joints in many applications. With its low melting temperature and bonding of all the ferrous and non-ferrous alloys including stainless steel, nickel, copper tubing, brass, etc - this alloy will prevent distortion and loss of your base metal properties. On copper tubing it will give a stronger overall finished assembly than the typical braze alloys.

## CHEMICAL COMPOSITION, Weight Percent:

Silver	3.4-3.8 %
Tin	Remainder

## PHYSICAL DATA:

Color	Bright Silver
Solidus	430°F (221°C)
Liquidus	430°F (221°C)
Electrical Conductivity	16.4
Elongation	48%
Tensile Strength <sup>1</sup>	14,000 psi
Shear Strength <sup>1</sup>	11,600 psi

<sup>1</sup>Copper solder joint

## AVAILABLE SIZES:

TAS 96.5/3.5Ag = 1# Spools of 1/16, 3/32 & 1/8 and 5# Spools of 1/16  
Other sizes available – please inquire

## SPECIFICATIONS:

**ASTM B32**  
**J-STD-006**

Sn 96  
Sn96Ag04A

EAST COAST  
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