



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

# SUPERFLOW<sup>®</sup> 94/6 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>** 94/6 - Silver Bearing Solders 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. 94/6 has a high silver content than our other Sn/Ag solder giving it a plastic range of 105° F which may be useful in poor fit up & wide clearance.

## CHEMICAL COMPOSITION, Weight Percent:

Silver	5.4-6.0 %
Tin	Remainder

## PHYSICAL DATA:

Color	Bright Silver
Solidus	430°F (221°C)
Liquidus	535°F (221°C)
Electrical Conductivity	17.1
Elongation	49%
Tensile Strength <sup>1</sup>	15,000 psi
Shear Strength <sup>1</sup>	13,500 psi

<sup>1</sup>Copper solder joint

## AVAILABLE SIZES:

TAS 94/6Ag = 1# Spools of 1/16, 3/32 & 1/8 and 5# Spools of 3/32  
Other sizes available – please inquire

## SPECIFICATIONS:

Washington Alloy

EAST COAST  
7010-G Reames Rd  
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