



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

SUPERFLOW[®] 97/3 Tin Copper

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



American Welding Society
Sustaining Company Member



ALLOY DESCRIPTION AND APPLICATION;

SUPERFLOW is one of the easy and popular lead free solder used in potable water systems. It's low temperature yields a fast meting range useful in plumbing and smaller tight fitting copper or brass applications. Operators prefer solder with melting ranges found in solder such as this where higher temperatures and Lead free solders are needed. Also used in many other industrial applications ; electronic assembly, stained glass

CHEMICAL COMPOSITION, Weight Percent:

Copper	2.8-3.2 %
Tin	Balance

PHYSICAL DATA:

Solidus	445°F (230°C)
Liquidus	590°F (310°C)
Tensile Strength	5900 psi ¹
Shear Strength	6000 psi ¹
Electrical Conductivity	18.1 % AT 68 °F (IACS)
Color	Bright Silver
Density	7.340 Mg m ⁻³

¹Copper solder joint

AVAILABLE SIZES:

TAS 97SN/3CU = 1# Spools of 1/8

SPECIFICATIONS:

J-STD-006
ISO

Sn97Cu3
S-Sn97Cu3

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