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

SUPERFLOW® 96.5/3.5 Tin/Silver

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

American Welding Society
Sustaining Company Member

GAWDA
GASES AND WELDING DISTRIBUTORS ASSOCIATION

ALLOY DESCRIPTION AND APPLICATION:

SUPERFLOW® 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. Rosin cored Sn/Ag solder is used on electrical and electronics when lead free solder are required.

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[1]	14,000 psi
Shear Strength[1]	11,600 psi

[1]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 and Rosin Core available – please inquire

SPECIFICATIONS: for solid solder

ASTM B32	Sn 96
J-STD-006	Sn96Ag04A

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