



## WELDCOTE 94/6 TIN/SILVER SOLDER

Description- 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, nickel, copper tubing, brass etc, this alloy will prevent distortion and loss of your base metal properties. For use on copper tubing it will result in a stronger overall finished assembly than the typical braze alloys. The 94/6 solder is used in applications in the jewelry industry, plumbing, food service equipment repair. Solders well to stainless and used in applications where a stronger joint is required.

Approvals- N/A

### Chemical Composition-

Silver	5.4-6.0%
Tin	Remainder

### Mechanical Properties

Color	Bright Silver
Solidus	430° F (221° C)
Liquidus	536° F (280° C)
Electrical Conductivity	17.0 IACS
Elongation	49%
Density	7.47 g/cm <sup>3</sup>
Tensile Strength	15,000 psi
Shear Strength	13,000 psi

### Available sizes

1 pound spool- diameters 1/16, 3/32, & 1/8  
5 pound spool- diameter 1/8