



## WELDCOTE 50NCF BRAZING ALLOY

**WELDCOTE 50NCF** is a cadmium free silver brazing alloy with nickel and the lowest working temperature in the cad-free nickel family which has great flow, wetting, ductility, penetration. **WELDCOTE 50NCF** is commonly used to join any combinations of copper, brass, steel, bronze, carbide tips and stainless steel. The addition of nickel improves the corrosion needed with stainless and nickel alloys while minimizing stress corrosion cracking as well as interface corrosion.

### CHEMICAL COMPOSITION, Weight Percent:

Silver	49.0-51.0
Copper	19.0-21.0
Zinc	26.0-30.0
Nickel	1.5-2.5
Total Others Elements	0.15

### PHYSICAL DATA:

Solidus	1220°F (660°C)
Liquidus	1305°F (707°C)
Brazing Range	1305-1550°F (707-843°C)
Color	White-Yellow to Light Gold
Specific Gravity	9.17
Density (troy oz./cu in.)	4.80
Electrical Conductivity (% of IACS)	18.5
Electrical Resistivity (Microhm-cm)	11.85

### AVAILABLE SIZES:

Troy Ounce Coils of 1/16 and 3/32

### SPECIFICATIONS:

<b>AWS</b> A5.8	B Ag-24
<b>ASME</b> SFA5.8	B Ag-24
<b>AMS</b>	4788