



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:

AWS A5.8	B Ag-24
ASME SFA5.8	B Ag-24
AMS	4788

Weldcote Metals believes this data to be accurate and to reflect qualified expert opinion regarding current research. However, Weldcote Metals can not make any expressed or implied warranty as to this information.