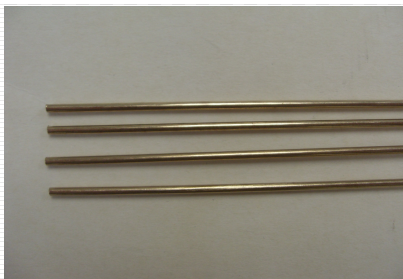


# Copper Alloy Welding Wire and Rod

## **Silicon Bronze – Bare (AWS ERCuSi-A)**



Recommended for Inert gas arc welding of copper, copper-silicon and copper-zinc base metals to themselves and to steel. Excellent for plain or galvanized steel sheet metal or other coated steel. Also used for surfacing areas subjected to corrosion.

Melting point : 1018°C  
Chemical (%) : Cu 94min, Si 2.8~4.0, Mn 0.5~1.5  
Tensile Strength (min) : 50,000 psi

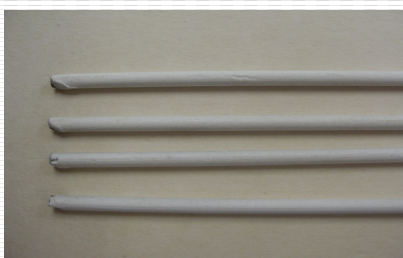
## **Phos-Bronze – Bare (AWS ERCuSn-C)**



Recommended for surfacing applications which requires great hardness and high tensile strength. This alloy is commonly used for joining brass alloys and cast iron to carbon steel.

Melting point : 1000°C  
Chemical (%) : Cu 90min, Sn 7~9, P 0.1~0.3, Zn 0.2  
Tensile Strength (min) : 60,000 psi

## **Low Fuming Bronze – Bare & Flux-coated (AWS RBCuZn-C)**



Recommended for general purpose repair work on steel, cast iron and other copper base alloys. The porosity-free deposits yield excellent colour match to the yellow brasses.

Melting point : 865 - 890°C  
Chemical (%) : Cu 57~59, Sn 0.8~1.0, Fe 0.35~1.2,  
Si 0.05~0.15, Mn 0.03~0.1, Zn Bal  
Tensile Strength (min) : 50,000 psi

## **Nickel Silver – Bare & Flux-coated (AWS RBCuZn-D)**



Recommended for applications requiring higher mechanical properties and situations where good colour match is important. This alloy is primarily intended for braze welding steel and cast iron.

Melting point : 920 - 930°C  
Chemical (%) : Cu 46~50, Ni 9~11, Si 0.04~0.25, Zn Bal  
Tensile Strength (min) : 60,000 psi

### **Sizes available :**

Cut Rods : Dia.1.6mm (1/16"), 2.0mm (0.08"), 2.4mm (3/32"), 3.2mm (1/8"), 4.0mm (5/32"),  
Lth 14", 18", 36" or 500mm, 1,000mm  
Spooled wire : Dia.0.8mm (0.03"), 0.9mm (0.035"), 1.2mm (0.045"), 1.6mm (1/16")

### **Packing :**

Cut Rods : 10kg PVC bundle  
Spooled wire : 15kg/Spool

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