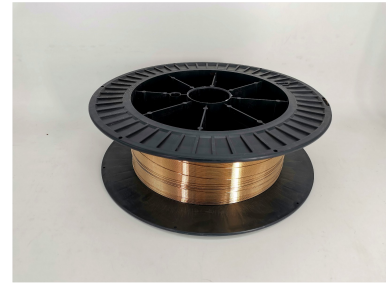


# Copper Alloy Welding Wire

This copper alloy welding wire is designed for various welding applications, offering excellent conductivity and weldability. It is suitable for use in MIG and TIG welding processes, providing strong and durable welds.



## Overview

### High-Performance Copper Alloy Welding Solutions

This comprehensive range of copper alloy welding consumables is designed for professional MIG, TIG, gas, and carbon arc welding applications. Offering excellent conductivity and superior corrosion resistance, these wires are ideal for joining and surfacing copper, brass, bronze, and steel. Each alloy is precision-engineered to provide specific mechanical properties, including high wear resistance and crack prevention, ensuring durable results in automotive, marine, and industrial environments.

## Key Performance Metrics

### Thermal Properties

**890 °C**

Minimum Melting Point

**1054 °C**

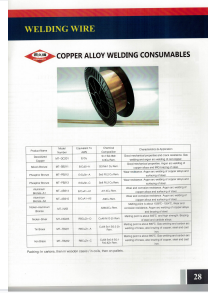
Maximum Melting Point

## Material Composition

### Available Alloy Types

Deoxidized Copper, Silicon Bronze, Phosphor Bronze, Aluminum Bronze, Nickel-Aluminum Bronze, Nickel-Silver, Tin Brass, Iron Brass

## Technical Specifications



Detailed chemical composition and application guide for our full range of copper alloy welding wires.

### Alloy Specification Table

Material	AWS Equivalent	Primary Composition	Key Characteristics
Deoxidized Copper	ErCu	Sn1 Si0.3 Mn	Good mechanical properties and crack resistance
Silicon Bronze	ErCuSi-A	Si3 Mn1 Cu Rem.	Excellent for MIG brazing of steel
Phosphor Bronze	ErCuSn-A/C	Sn5-8 P0.2 Cu Rem.	High wear resistance for surfacing steel
Aluminum Bronze	ErCuAl-A1/A2	Al7.5-9 Cu Rem.	Superior wear and corrosion resistance
Nickel-Silver	RBCuZn-D	Cu48 Ni10 Zn Rem.	High strength; melting point ~935°C
Tin Brass	RBCuZn-A	Cu59 Sn1 Si0.3 Zn	Melting point ~890°C; ideal for brazing cast iron

## Application

### Compatible Welding Processes

- Gas Welding
- Argon Arc Welding (TIG)
- MIG Brazing
- Carbon Arc Welding

### Target Industries

Automotive • Marine • Industrial Manufacturing • Tool & Die (Carbide Alloys)

## Logistics

### Packaging Methods

- Cartons packed in wooden cases
- Coils secured on pallets

### Precision Spooling

Yes