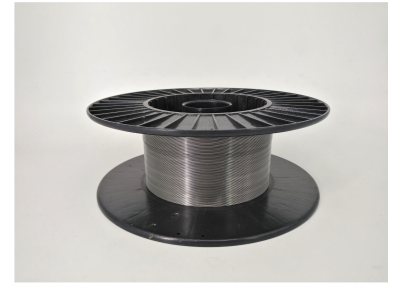


# Non-Copper Coated Welding Wire

This welding wire is engineered without copper coating for clean and high-quality welds. It provides stable arc performance at low current and is suitable for welding mild steel and high-strength steel structures.



## ADDITIONAL IMAGES



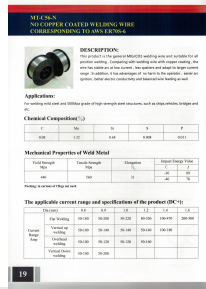
## Overview

### Advanced Non-Copper Coated Welding Wire

This general-purpose MIG/CO2 welding wire is engineered for high-performance welding on mild steel and 500Mpa grade high-strength steel structures, including ships, vehicles, and bridges. Compared to traditional copper-coated alternatives, this wire offers superior arc stability at low currents, reduced spatter, and a broader current range for increased versatility. It enhances operator safety and efficiency through easier arc ignition, improved electrical conductivity, and balanced, consistent wire feeding.

<b>Classification</b>	AWS ER70S-6
<b>Key Features</b>	Stable Arc, Reduced Spatter, Improved Conductivity, Balanced Feeding, Easy Arc Ignition

## Mechanical & Chemical Properties



Technical data sheet highlighting chemical composition and mechanical properties.

### Chemical Composition (%)

Element	Content
Carbon (C)	0.08
Manganese (Mn)	1.32
Silicon (Si)	0.68
Sulfur (S)	0.008
Phosphorus (P)	0.011

### Mechanical Properties

**440 Mpa**  
Yield Strength

**560 Mpa**  
Tensile Strength

**31 %**  
Elongation

## Technical Specifications

### Current Range (DC+) by Diameter

Diameter (mm)	Flat Welding (A)	Vertical Up (A)
0.8	50-180	50-100
1.0	50-220	50-140
1.2	80-350	50-140
1.6	200-500	100-180

### Packaging

15kg net per carton