JUBILANT
WIRES

# MIG WELDING WIRES

Precision in Every Weld.

MIG / $CO_2$ WELDING WIRES

# AWS-ER70S-6

## MIG/$CO_2$ Welding Wires

Our AWS-ER70S-6 MIG/$CO_2$ welding wires are engineered for industries that demand more automotive, construction, heavy machinery, shipbuilding, and general fabrication. Copper-coated for **superior conductivity,** formulated for **minimal spatter**, and tested to **radiographic quality.** Every spool that leaves our facility carries our commitment to consistency.

## Key Features

- **Superior Copper Coating**
  Delivers excellent electrical conductivity and ensures smooth, stable performance across all positions.
- **High Feedability**
  Engineered for smooth, consistent wire feeding no bird-nesting, no interruptions, no downtime.
- **Minimal Spatter**
  Dramatically reduces post-weld cleaning time, improving throughput and surface finish on every joint.
- **Excellent Mechanical Properties**
  Ensures strong, durable welds with superior tensile strength and impact toughness built for demanding loads.
- **Global Quality Standards**
  Manufactured under strict quality control processes that comply with international standards.

**0.8 mm**

Precision welding, thin sheet metal, automotive body

**1.0 mm**

General fabrication, structural work, light to medium gauge

**1.2 mm**

Heavy fabrication, shipbuilding, thick plate welding

WE SET THE STANDARDS

## Applications

Automotive Industry

Construction & Infrastructure

Heavy Machinery Manufacturing

Shipbuilding & Marine

General Fabrication

SPECIFICATIONS & QUALITY

# Technical Data

ER70S-6 is a copper-coated, mild steel welding wire designed for use in MIG (GMAW) welding applications. Known for superior mechanical properties, excellent weld pool control, and smooth stability, it is the specification trusted by fabricators and manufacturers worldwide.

## Chemical Composition

| Element | Carbon (C) | Manganese (Mn) | Silicon (Si) | Phosphorus (P) | Sulphur (S) | Copper (Cu) |
|---|---|---|---|---|---|---|
| % by mass | 0.06 – 0.15 | 1.40 – 1.85 | 0.80 – 1.15 | ≤ 0.025 | ≤ 0.025 | ≤ 0.50 |

## Mechanical Properties

| Property | Value | Property | Value |
|---|---|---|---|
| Ultimate Tensile Strength (UTS) | ≥ 490 MPa | Yield Strength | ≥ 400 MPa |
| Elongation | 22.0% | Impact Value | 27.0 J at –30°C |

QUALITY ASSURANCE

## At Jubilant Wires, quality is not a checkpoint — it is our culture.

Every spool is subjected to rigorous in-house testing before leaving our facility. Our quality control process covers the full spectrum — from raw material selection through to finished product verification— ensuring that every wire we ship meets and exceeds international standards.

- Chemical Composition Analysis
- Surface Finish Inspection
- Tensile Strength Testing
- Copper Coating Adhesion Tests

### Certifications

ISO 9001 ISO 14001 ISO 45001

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ABOUT JUBILANT

# Built on Precision. Driven by Excellence.

Jubilant Wires is the natural extension of Jubilant Containers LLP's legacy in metal manufacturing. Born from years of working with steel at the highest level, we entered the welding wire industry with a singular ambition: to give Indian fabricators and metalworking industries a domestic, certified, and truly reliable supply of AWS-ER70S-6 grade wire.

Our facility operates under strict ISO and ISI certified quality management systems. We specialize exclusively in AWS-ER70S-6 grade wires a focused expertise that allows us to master every variable: copper coating adhesion, spatter control, stability, and mechanical integrity. We cater to both domestic and international markets, ensuring timely delivery and competitive pricing through a strong distribution network that serves customers worldwide.

**PRECISION** **INTEGRITY** **RELIABILITY** **GLOBAL REACH**

## Contact


**JUBILANT WIRES PVT. LTD.**

jubilantwirespvtltd@gmail.com

+91 98790 72002 | + 91 99099 72002

R S No. 251/1 & 251/2 Plot no 2,
Rajkot Wankaner Highway, At Jiyana,
Rajkot, Gujarat 360023