

ULTRA ER70S-6

MIG WIRE

AWS A5.18: ER70S-6
High Quality Mild Steel MIG Welding Wire

CLASSIFICATION:

- AWS A5.18: ER70S-6
- High deoxidizer level for rust & mill scale tolerance
- Copper coated solid wire
- Excellent feedability and arc stability

TYPICAL APPLICATIONS:

- Automotive and fabrication
- Shipbuilding and general structures
- Railways and piping
- Boiler and pressure vessels
- Steel furniture and frames

KEY FEATURES:

- Excellent arc characteristics
- Low spatter and high feedability
- High strength and toughness
- Smooth weld bead appearance
- Compatible with CO₂ and Argon-CO₂ mix

TYPICAL CHEMICAL COMPOSITION OF WIRE (%):

C – 0.07	Mn – 1.45	Si – 0.85	S – 0.010	P – 0.012
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MECHANICAL PROPERTIES OF WELD METAL:

UTS (MPa)	YS (MPa)	Elongation (%)	Impact (J) at 0°C
560	460	28	80

PARAMETERS & PACKING DATA:

Diameter (mm)	Amperage Range (A)
0.8 / 1.0 / 1.2	100–320

DCEN (Electrode Positive)

Available in 15 kg spools. Vacuum sealed for rust-free storage.



Electrode Positive

All positions except vertical down



Use 1-2 volts lower when using mix shielding gas