



FLOW-ARC 70S

DESCRIPTION:

- Flow-Arc 70S is a Premium Copper Coated MIG Wire designed to exceed expectations by maintaining tight-tolerances within the AWS specifications.
- Flow-Arc70S is your best selection in S6 wires for consistency, reliability and exceptional results.
- Flow-Arc 70S is the superior choice to other wire options.

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FLOW-ARC 70S

Data Sheet: AWS A5.18 ER70S-6

FACTS & ADVANTAGES:

- Flow-Arc 70S (ER70S-6) wire chemistry conforms to SFA/AWS A5.18 and is certified for GMAW by CWB to classification B-G 49A 3 C1 S6 of CSA Standard W48.
- Flow-Arc 70S produces low fume levels than standard wires.
- Flow-Arc 70S contains additional de-oxidizers that allow better wetting, flatter beads, faster travel speeds.
- Flow-Arc 70S copper coating extends life of consumable MIG parts.
- Flow-Arc 70S operates smoothly with mix of CO₂ & Argon gas and is optimized for welding steels with moderate amounts of rust.

CHEMICAL COMPOSITION %

ELEMENT	C	Mn	Si	P	S	Cu
SPECIFICATION	0.06-0.15	1.40-1.85	0.80-1.15	≤0.025	≤0.025	≤0.50

MECHANICAL PROPERTIES %

PROPERTIES	Tensile Strength (mPa)	Yield Point (mPa)	Elongation %	Impact Temp (°C)	Impact Value (J)
RANGE	≥500	≥420	≥22	-30	≥27

SHIELDING GAS: Must be used with 25% CO₂ + 75% Ar.

SIZES & PACKAGES:

Available Sizes: 0.035" (0.90mm), 0.045" (1.14mm).

Available Pack: 44 LBS (20KG) Spool.

* Different sizes and packaging options are available upon request.

CLASSIFICATIONS:

SFA/AWS A5.18, Class ER70S-6 and CSA W48: B-G 49A 3 C1 S6

Certified By: CWB- Canadian Welding Bureau.

