

# STRONG 70S-A1

CLASSIFICATION: AWS SFA 5.28 ER 70S-A1

## Copper Coated Solid Wire For MIG & TIG Welding



### CHARACTERISTICS

STRONG 70S-A1 is a copper coated low carbon steel wire ideally suited for welding of low alloy Carbon Molybdenum steels of similar composition. This wire comes with lower levels of Mn + Si and 0.50% Mo giving it good high temperature properties.

### APPLICATIONS

STRONG 70S-A1 can be used for ordinary C-Mn steels where higher tensile strength weld metal is required. Suitable for welding creep resistant 0.5% Mo steels and fine grained steels with service temperatures up to 500°C. Applications in Pipes, crane construction and structural steel engineering industries.

### TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Mo	Cu
0.12 MAX	1.30 MAX	0.30-0.70	0.025 MAX	0.025 MAX	0.40-0.65	0.50 MAX

### ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	≥400	≥480	≥22
Typical	475	580	24

### PACKAGING SPECIFICATIONS - MIG

DIA SIZE 0.80MM / 1.00MM / 1.20MM / 1.60MM / 2.00MM

SPOOL WEIGHT 1KGS / 5KGS / 12.5KGS / 15KGS / 17.5KGS

DRUM WEIGHT 100KGS / 150KGS / 250KGS / 300KGS / 350KGS

### PACKAGING SPECIFICATIONS - TIG

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM

WEIGHT 5KGS / 20KGS