



SAFRA SF- Cu.Al.8Ni6

A.W.S. A5.7:
ER CuNiAl

DIN 1733:
SG-CuAl8Ni6
WERKS. 2.0923

BS 2901 Pt.3: C26
EN 14640: S CuAl9Ni5
S Cu 6328

DESCRIPTION

A Nickel Aluminium Bronze wire for use in welding of Nickel aluminium bronze (Cu Ni Al) components and fittings of similar composition. This weld metal alloy has excellent corrosion and wear resistance characteristics, which promote applications in marine, power and chemical plant components e.g. ships propellers, pumps and sea-water fittings. Surfacing with this alloy on steel or bronze alloy allow a very high corrosion, erosion and cavitation resistance.

CHEMICAL COMPOSITION

Al	8,5 - 9,5
Si	<0,20
Mn	1,0 - 2,0
Ni	4,0 - 6,0
Zn	<0,20
Fe	3,0 - 4,0
Pb	<0,02
Cu	remainder

SHIELDING GASES FOR GMAW/GTAW

Argon: DIN 32526 I1
Gas flow rate: 14-18 L./min.

MECHANICAL CHARACTERISTICS:

Tensile strenght Rm:	450 - 560 N/mm ²
Elongation L=5d:	10%
Hardness:	150 - 170 HB

Mechanical properties quoted above are approximate values, intended for guidance only.

OTHERS TOTAL <0,40

AVAILABLE SIZES

MIG: 15 kg K300/KS300 Spools

D I A M E T E R O F T H E W I R E
1,0 mm - 1,2 mm - 1,6 mm

MORE DIAMETERS AND PACKAGING UPON REQUEST