

# SF-Cu

SAFRA  
Al8Ni6

## 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.

## AWS A5.7/A5.7M

Er CuNiAl

## EN ISO 24373

S Cu6328

CuAl9Ni5Fe3Mn2

## SHIELDING GASES FOR GMAW/GTAW

Argon: l1

Gas flow rate:  
14-18 l/min

## MECHANICAL CHARACTERISTICS

Tensile strenght Rm: 450- 560 N/mm<sup>2</sup>

Elongation L=5d: 10%

Hardness: 150 - 170 HB

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

## CHEMICAL COMPOSITION

in% (m/m)<sup>(a,b)</sup> as per EN ISO 24373 / AWS A5.7/A5.7M

<b>Al</b>	8,5-9,5
<b>Si</b>	0,1
<b>Mn</b>	0,6 - 3,5
<b>Ni incl. Co</b>	4,0 - 5,5
<b>Zn</b>	0,1
<b>Fe</b>	3,0 - 5,0
<b>Pb</b>	0,02
<b>Cu</b>	remainder
	others total 0,5

## AVAILABLE SIZES\*

**MIG: 15 Kg K300/KS300/D300 spools**

Diameter of the wire  
1,0 mm - 1,2 mm - 1,6 mm

\* More diameters and packaging upon request

*(a) Single values shown in the table are maximum values, unless otherwise noted.*