

SF-Cu

SAFRA
Al8Ni2

AWS A5.7/A5.7M

No equivalent material

EN ISO 24373

S Cu6327

CuAl8Ni2Fe2Mn2

DESCRIPTION

An aluminium bronze alloy containing Nickel, Manganese and Iron. Applications include overlaying of steel. It has a good resistance to wear and good corrosion properties against sea-water and chlorides.

The high mechanical strength makes it suitable for welding on Cast Iron.

Pre-heating is recommended for large work pieces.

SHIELDING GASES FOR GMAW/GTAW

Argon: l1

Gas flow rate:
14-18 l/min

MECHANICAL CHARACTERISTICS

Tensile strength Rm: 430- 540 N/mm²

Elongation L=5d: 30%

Hardness: 130 - 150 HB

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

CHEMICAL COMPOSITION

in%(m/m)^(a,b) as per EN ISO 24373

Al	7,0 - 9,5
Si	0,2
Mn	0,5 - 2,5
Ni incl. Co	0,5 - 3,0
Zn	0,2
Fe	0,5 -2,5
Pb	0,02
Cu	remainder
	others total 0,4

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.