

# SF-Cu

SAFRA  
Sn6

## DESCRIPTION

This bronze wire has a high percentage of tin. It is suitable for both TIG and MIG methods and it is excellent for fixing in artistic foundries. Ideal for surfaces, this material improves the hardness and can also be used for fixing worn surfaces with similar basis metals.

## AWS A5.7/A5.7M

Er Cu Sn-A

## EN ISO 24373

S Cu5180A-CuSn6P

## SHIELDING GASES FOR GMAW/GTAW

**Argon:** l1

**Gas flow rate:**  
14-18 l/min

## MECHANICAL CHARACTERISTICS

**Tensile strenght Rm:** 320- 360 N/mm<sup>2</sup>

**Elongation L=5d:** 25%

**Hardness:** 80 - 90 HB

**Hardness after work hardening:** 130 HB

**Conductivity:** 9 m/Ωmm<sup>2</sup>

*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

<b>Al</b>	0,01
<b>Sn</b>	4,0 - 7,0
<b>Zn</b>	0,1
<b>Pb</b>	0,02
<b>Fe</b>	0,1
<b>P</b>	0,01 - 0,4
<b>Cu</b>	remainder
	others total 0,2

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

*(b) Chemical analysis as per AWS A5.7/A5.7M upon request.*

## AVAILABLE SIZES\*

**MIG: 12,5 Kg – 15 Kg D300 or K300/KS300 spools**

*Diameter of the wire*

0,8 mm - 0,9 mm - 1,0 mm - 1,2 mm - 1,6 mm - 2,0 mm - 2,4 mm

**TIG carton box of 10 Kg o Kg 25 (x 1000 mm length)**

*Diameter of the rods*

1,6 mm - 2,0 mm - 2,4 mm - 3,2 mm - 4,0 mm

\* More diameters and packaging upon request