

## **TCU AL8**

TIG Welding Wire - Copper Alloys

Standards	
AWS/ASME SFA - 5.7	ERCuAl-A1
EN ISO 24373	S Cu 6100 (CuAl7)
TS EN ISO 24373	S Cu 6100 (CuAl7)
DIN M. No.	2.0921

Materials			
DIN	Material	ASTM	
Cu Al 5	2.0916	C60600	
Cu Al 8	2.092	C61000	
Cu Zn 37 Al	2.0510		
G Cu Al 9	2.0928		

#### **Properties and Applications**

Aluminium bronze welding rod for GTA (TIG) welding of aluminium bronzes, high strength brass and surfacing of steel, gray cast iron used in machine building and in the chemical industry, as well as in shipbuilding. Alloy showing resistance to corrosion and erosion to sea water, with a very good metal to metal sliding properties. Suitable for also welding joints on corrosion resistant aluminium bronze or high strength brass pipes. Joining copper tubing to steel. Surface build-up on ship propellers, skid rails, bearing surfaces, bearings, valves, slide gates, fittings



### Typical Chemical Features of the Welding Wire

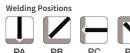
Type of Analysis	Mn	Ni	Al	Cu
Welding Wire	0.20	0.20	8.00	91.50

#### Typical Mechanical Values of Weld Metal

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	Test Condition	Protection Gas	Yield Strength (N/mm²)	Tensile Strength (N/mm²)	Elongation A5 (%)	Hardness (HB)	
	As welded	l1	200	430	40	100	

 $<sup>^{*}</sup>$  Chemical compositon and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

#### **Application Information**







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# Welding Parameters & Efficiency

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	Diameter x Length (mm)			
2.40x1000				
	3.20x1000			

#### **Packaging Information**

Product Code	Diameter x Length (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
25102IBKM2	2.40x1000	5 kg	5.20	1	5.20	Cardboard Tube
25102LBKM2	3.20x1000	5 kg	5.20	1	5.20	Cardboard Tube

#### Storage & Re-Drying Information

Shouldn t be exposed to high statical load and impact. It should be stored in a dry room (relative humidity < 50%, room temperature >  $20^{\circ}$ C) on wooden pallets.