

MCU AL8

Gas Metal Arc (MIG) 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	2.0920	C61000

Properties and Applications

8% Aluminium alloyed copper wire electrode for GMA (MIG) welding of copper-aluminium (Cu-Al) alloys (aluminium-bronzes). Also suitable for surfacing of parts subjected to metal to metal wear under high compressive stresses or in the presence of corrosive agents (acids, sea water).



Typical Chemical Features of the Welding Wire

Type of Analysis	Mn	Ni	Al	Cu
Welding Wire	0.20	0.30	8.00	91.50

Typical Physical Analysis of the Weld Metal

Özgül Ağırlığı (gr/cm ³)	Elektrik İletkenliği (Sm/mm ²)
0.00	0.11-0.14

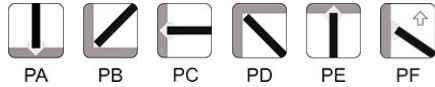
Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)	Hardness (HB)
As welded	I1	200	430	40	100

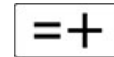
* Chemical composition and mechanical properties are valid when using shielding gas EN ISO 14175 - I1 (%100 Ar) .

Application Information

Welding Positions



Polarity:



Protection Gas:

I3 I1 I2

Welding Parameters & Efficiency

Diameter (mm)
1.00
1.20
1.60

Packaging Information

Product Code	Diameter (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
25002DHAM2	1.00	15 kg	15.80	1	15.80	Plastic Spool (D300)
25002EHAM2	1.20	15 kg	15.80	1	15.80	Plastic Spool (D300)
25002GHAM2	1.60	15 kg	15.80	1	15.80	Plastic Spool (D300)

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°C) on wooden pallets.