

COPPERFIL CuAl8

MIG-MAG Wires Nickel and Copper alloys

Copperfil CuAl8 has been developed for welding copper alloys and steel castings, nickel alloys and for welding in artistic foundries. This composition offers a very high resistance to sea water-corrosion and to the most commonly used acids in any concentrations and at a wide range of operating temperatures. High erosion resistance. Used for welding galvanized steel sheets and components in the automobile industry.

Classification	
AWS	A5.7: ER CuAl-A1
DIN	1733: SG-CuAl8
EN	14640: S CuAl8-S Cu 6100

Approvals	Grades

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	Cu	Sn
-	≤ 0.10	≤ 0.20	-	-	-	≤ 0.80	-	-	≤ 0.50	Rem	-

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	-	390-450	≥ 45	-	80-100 HB

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data: K300 Kg. 16

Diameters	1,0	1,2				