



# CEWELD AA CuAl12NiFe

**TYPE** Copper-Aluminum FCAW composite welding wire for cladding applications.

**APPLICATIONS** Cladding components undergoing metal to metal wear with high friction and or heavy surface loads on top of cast iron, steels and or bronzes. Ship propellers, Deep drawing dies for stainless steel, aluminium, magnesium and titanium parts. Sleeves, spindles, cable winches guides, gliding surfaces, pulling equipment. (Usually preheating 300°C prior to welding is recommended to reduce cracks).

**PROPERTIES** Special alloyed copper composite wire suitable for the Mig process. The weld metal is a Cu-Al-Ni bronze with extreme high aluminium content. Sound, pore free deposits with excellent sliding properties and low friction.

**CLASSIFICATION** EN ISO 14700: T Cu1

**SUITABLE FOR** Cu – Mn – Ni – Al bronze

**APPROVALS** No Approvals Found

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)**

Mn	Ni	Fe	Cu	Al
0.9	4.5	2.2	Rem.	12

**ALL WELD MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Brinell Hardness
As Welded /				Avg. 320

**REDRYING TEMPERATURE** Not required

**GAS ACCORDING EN 14175** I1, I3



# CEWELD AA CuAl12NiFe

AA CUAL12NIFE 1,2MM

Type	KG/unit	EANCode
D-300	13	8720663408938

AA CUAL12NIFE 1,6MM

Type	KG/unit	EANCode
D-300	13	8720663408952