

# COPPERFIL 70-30

## MIG-MAG Wires Nickel and Copper alloys

Copperfil 70-30 is a solid wire suitable for welding all copper-nickel alloys such as 70/30 - 80/20 - 90/10. Good bead appearance and excellent weld deposit properties. Excellent corrosion resistance in saline solutions.

Classification	
AWS	A5.7: ER CuNi (CuNi30)
EN	14640: S Cu 7158

Approvals	Grades

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	Cu	Sn
-	1	0.20	≤ 0.020	-	-	30	-	-	0.50	Rem	-

### All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	≥ 250	≥ 345	≥ 20	-	-

Gas test: Acc. To EN 439: M13(Cargal1)

**Shielding Gas:** Acc. To EN 439: M13(Cargal1)

### Materials





2.0872 (CuNi10Fe1Mn9); 2.0882 (CuNi30Mn1Fe); 2.0837

UNS C70600; UNS C71500

### Storage

Keep dry and avoid condensation.

### Current condition and welding position

DC+					
					
PA	PB	PC	PF	PE	PF2

**Packaging data:** K300 Kg. 16

Diameters	1,2					
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