

## CuNi

### Comparable specifications

**ASME SFA A 5.7:** ERCuNi  
**EN ISO 24373:** S CU 7158 (CuNi30Mn1FeTi)  
**Werkstoff Nr.:** 2.0837

### Description and applications\*

\* *Illustrative, not-exhaustive list*

Copper alloy filler wire with addition of Nickel to strengthen the weld metal and improve the corrosion resistance, particularly against salt water.

The weld metal has good hot and cold ductility and excellent corrosion resistance in saline solutions.

This grade may be used for:

- welding and surfacing of similar alloys of composition;
- joining of this alloy to steel, copper/nickel and other nickel alloys;
- surfacing applications where high resistance to corrosion, erosion, or cavitation is required;
- applications in high-grade plant/engineering, e.g. for the power generation and petrochemical industry;
- offshore applications and ship building industry.

### Weldable base materials\*

\* *Illustrative, not-exhaustive list*

2.0872, 2.0882, 2.0837

### All-weld metal mech. properties\*

\* *For reference only values*

**Tensile strength (Rm):** ≥ 345 N/mm<sup>2</sup>

### Chemical composition\*

\* *For reference only values*

C	Mn	Si	S	P	Ni	Cu	Fe	Pb	Ti
max	0.50	max	max	max	29.00	rem	0.40	max	0.20
0.04	1.00	0.25	0.01	0.02	32.00		0.70	0.02	0.50

### Standard packaging data\*

Welding process	Product type	Ø mm (inches)	Packing type	Weight kg (lbs)	Length mm (inches)
GMAW **	filler wire	0.80 - 1.20 (0.030 - 0.047)	spools BS300 / D300	15 (33)	n.a.
GTAW **	filler rod	1.60 - 4.00 (1/16 - 5/32)	cardboard boxes / tubes	5 (11)	1000 (39.4)
SAW **	filler wire	1.60 - 4.00 (1/16 - 5/32)	basket rims B450	25 (55)	n.a.

\* *Other sizes and packing types are available upon request*

\*\* *GMAW: gas metal arc welding; GTAW: gas tungsten arc welding; SAW: submerged arc welding*

### Marking

Each filler rod for GTAW welding is durably marked with an identification traceable to the unique product type. Welding filler materials wound on spools or in coils are durably marked on the coil or spool with an identification traceable to the unique product type.

The outside of each unit package is suitably labelled with at minimum the following data: grade, diameter, heat, lot no., classifications.

Customized labels are available upon request.

### Lot classification

All our productions fulfil the **Class S3** requirements acc. to EN ISO 14344.