

## AI-0367T

### Specifications

**AWS/ASME** A5.7 : ERCuNi

**DIN** 1733 SG-CUNI30Fe (2.0837)

**EN** 24373 CU7158 CuNi30MnI FeTi

### Description and Applications

**AI-0367T** is a solid 70% copper-30% nickel filler wire for welding base material 70/30. It deposits a copper-nickel weld metal with 67% copper and 30% nickel. **AI-0367T** matches 70/30 base materials for colour and strength, and overmatch 90/10 alloys for strength. It is suitable for surfacing and cladding, provided the need for an appropriate buttering layer is addressed, normally **AI-0390T**.

**Applications include:** offshore construction, desalination plant, evaporators, condensers, etc. in salt, and seawater processing systems

### Typical Weldmetal Analysis

Cu	Al	Si	Mn	Ni	S	Pb	Fe	P	Ti	C
Bal	0.03 max	0.01 max	0.5-1.0	30.0- 32.0	0.01 max	0.007 max	0.4- 0.75	0.01 max	0.2-0.5	0.05 max

### Materials to be Welded

ASTM	C71500 C96400 (cast)
DIN	2,0882 2,0883
BS	CN106 CN107 CN108
CDA	CA715

### Mechanical Properties of Weldmetal

	As Welded
0.2% Proof Stress	200MPa
Tensile Strength	365MPa
Elongation on 5d	40%
Hardness	105HV

### Welding Parameters

Available in 1.6mm and 2.4mm diameters in 2.5Kg tube

### Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at [sales@alloysint.com.au](mailto:sales@alloysint.com.au)



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