

GB/T 5293 55A6FB-SUN5
AWS A5.23 F8A8-ENi2-Ni2 EN
ISO 14171-AS466FBT2Ni2

ENi2

Description: Copper plated solid wire is used for single and multi-layer welding of various steels. It is especially suitable for welding in pressure vessel, petrochemical, marine, oil refining, railway and other industries.

Application: Copper plated solid wire for submerged arc welding. These are suitable for welding of steels of similar composition.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cr	Ni		
Requirement	0.12	0.05-0.30	0.75-1.25	0.02	0.02	—	2.00-2.90		
Actual Result	0.06	0.20	1.03	0.005	0.012	0.01	2.56		

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	550-700	≥470	22	27J(-60℃)
Actual Result	605	519	27	118