

SMT-625

Classification

AWS	A5.14/ ASME SFA-5.14 ERNiCrMo-3
JIS	Z 3334 SNi6625
EN	ISO 18274 Ni 6625

Features

- Good impact toughness at extra low temperature
- Dissimilar steels(B24Inconel 601, Incoloy800/800H or combination of these with other alloys)

Application Areas

- LNG Storage Tank, equipments for gas desulfurization,
- Petrochemical plants
- Heat exchangers
- 9% nickel steel

Approvals

ABS	BV	DNV	KR	LR	NK
✓	✓	✓	✓	✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Ti	Nb	Al	Mg
0.03	0.08	0.03	0.01	0.001	0.03	63.9	22.7	9.1	0.21	3.55	0.09	0.3

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
785 (114)	45	-60 (-75) -196 (-320)	150 (111) 130 (96)

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.0 (0.039)	Spool : 12.5kg, 5kg(11lbs)*1000
1.2 (0.045)	
1.4 (0.052)	
1.6 (1/16)	
2.0 (5/64)	
2.4 (3/32)	
3.2 (1/8)	

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