ST-50.6

Classification

AWS	A5.18/ASME SFA-5.18 ER70S-6
JIS	Z 3316 YGT50
EN	ISO 636-A-W3Si1

Features

- Good impact value at low temperature
- Gread workability and Bead Appearance
- Good performance

Current

DC -

Application Areas

- Pressure vessels
- Nuclear reactors
- Rail road car
- Shipbuilding
- Pipeline

Shielding Gas

100% Ar

Approvals

ABS	CWB	CE	DB	TUV
✓	✓	✓	✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Cu
0.08	0.79	1.45	0.011	0.012	0.12

Typical Mechanical Properties of All-Weld Metal

Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
480 (70)	580 (84)	31	-30 (-20)	120 (89)

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.2 (0.045)	5kg(11lbs)*1000
1.6 (1/16)	
2.0 (5/64)	
2.4 (3/32)	
3.2 (1/8)	