

TECHNICAL DATA SHEET



Super6 A18

AWS A5.18 ER70S-6
EN ISO 636-A-W 42 4 W3Si1
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Revision 1

DESCRIPTION

Copper coated solid wire suitable for single or multipass welding of non alloy steels. The wire contains high levels of manganese and silicon for stronger deoxidizing power . The high silicon content increases the fluidity of the weld pool, creating a smoother bead appearance and resulting in minimal post-weld grinding. Good mechanical properties at sub-zero temperatures down to -40°C. Typically used on boilers, industrial machinery, bridges, shipbuilding, automotive, rail, structural and engineering fabrications etc.

WELDING POSITIONS



PA, PB, PC,PD,PE,PF,PG

CHEMICAL COMPOSITIONS

C	Si	Mn	Cr	Ni
0.070	0.85	1.45	0.15	0.15

MECHANICAL PROPERTIES

Yield Strength	550
UTS N/mm ²	450
Elongation %	24

AVAILABLE FORMATS

TUBE			
Diameter	5.0kg	Diameter	5.0kg
1.0mm	7360	2.4mm	7363
1.2mm	7361	3.2mm	7364
1.6mm	7362		

Shielding Gas	Argon
Current Type	DC-

While all reasonable efforts have been made to ensure the accuracy of this information, it may change at any time and is only intended as general guidance.