

SM-CuAl A1

**AWS A5.7 / ASME SFA 5.7 ERCuAl-A1
(Aluminum Bronze-A1)**

HYUNDAI WELDING CO., LTD.



❖ PRODUCT SPECIFICATIONS

AWS A5.7 / ASME SFA5.7 ER CuAl-A1
EN ISO 14640 CuAl8
GB/T9460 SCu6100

❖ APPLICATIONS

- Butt joining welding of copper with steel
- Machinery
- Shipbuilding

❖ KEY FEATURES

- Recommended for the welding of copper with Cu-Sn Alloy
- Best for the butt joining welding of brass with steel
- Pre-heat suggested for the large size products
- Pulsed argon arc welding is recommended for multilayer hard facing on steel

❖ PACKING

Dia. (mm)	MIG	TIG
	0.8 – 1.6	1.6 – 4.0
Packaging	15kg Spool	1000*5kg

❖ Chemical Analysis of the Wire

Cu	Al	Fe	Mn	Ni	P	Pb	Si	Sn	Zn	Others
bal.	6.0-8.5	-	0.50	-	-	0.02	0.10	-	0.20	0.50

❖ Mechanical Properties

Tensile Strength (Rm)	Elongation
380 - 450 N/mm ²	40 – 45%

❖ Proper current range

Brand name	Wire Diameter (mm)		
SM-CuAl A1	0.8 mm	1.0 mm	1.2mm
	80 ~ 140 Amp	130 ~ 230 Amp	180 ~ 320 Amp