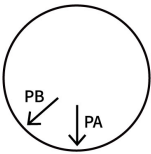


SM-CUSI A

Classification

AWS A5.7/ ASME SFA-5.7 ERcUSi-A

Welding Positions



Features

- Used primarily for oxyacetylene welding of copper-silicon and copper-zinc metals to themselves and to steel
- HWC Silicon Bronze is excellent for plain or galvanized steel sheet metal as well as other coated steels.
- Preheating is not recommended

Polarity

DC + (PULSE)

Application Areas

- Use for welding of Silicon Bronze Copper

Shielding Gas

Ar

Typical Chemical Composition of the Wire (wt%)

Si	Mn	Cu	Al	Fe	others
2.80-4.00	1.5	Bal	0.01	0.5	0.5

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Tensile Strength MPa(ksi)	Elongation (%)
Ar, Ar + He	330~370 (48~54)	40

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
0.9 (0.035), 1.0 (0.039), 1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 12.5kg(28lbs), 15kg(33lbs) Drum 250kg(551lb)

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux