



## Silicon calcium barium cored wire

### ● Description of silicon calcium barium cored wire

Silicon calcium barium cored wire is a good deoxidizer and desulfurizer, in the process of deoxidation, the three elements silicon, calcium and barium promote each other, effectively increasing utilization. Silicon calcium barium minimizes the oxygen content in steel, at the same time, other complex oxides formed can be easily floated up from the molten steel, purify the molten steel, improve the impact toughness and machining performance of steel. Barium effectively reduces the vapor pressure of calcium in the temperature range of steelmaking, increases the solubility of calcium in molten steel, the recovery rate of calcium is higher than that of si-ca alloy.



### ● Advantages of silicon calcium barium cored wire

1. Strong deoxidization ability, good liquidity of molten steel, the nodulation problem of continuous casting nozzle is solved thoroughly.
2. Significantly increase the recovery rate of silicon and manganese, etc, reduce the amount of toner.
3. The desulfurization effect is obvious and the steelmaking cycle is shortened.
4. Wide range of application, reduce deoxygenation cost.

### ● Advantages of our company

1. Professional manufacturer.
2. Several decades of rich experiences in metallurgical field.
3. Strict quality control and inspection.

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JIANGYIN YURUI METALLURGICAL MATERIAL CO., LTD.

### The specifications silicon calcium barium cored wire

Type	Composition %	Diameter mm	Steel strip thickness mm	Powder weight g/m	Coil outer dia. mm	Coil inner dia. mm	Coil height mm	Wire length m
Si-ca-ba	Si55Ca15Ba15	13±0.5	0.4-0.45	220-245	1100	600	1100	4500-5000

Above mixtures and specifications can be supplied by customers' requirements.

### Other notes of silicon calcium barium cored wire

**Packing:** 1. Fixed with steel strip.  
2. Wrapped with water-proof film.  
3. Put into the steel cage with pallet.

**Storage:** Cored wire should be stored in dry area of indoor.

**Terms of payment:** FOB shanghai port, by t/t or L/C at sight.

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