

## Product Description

Cored wire is used for steelmaking. It can purify the liquid steel, change the impurities shapes, improve the castability of iron and steel, improve the using performance of steel, and significantly enhance the ferroalloy yield rate, reduce alloy consumption as well as the cost of steelmaking in consequence to get remarkable economic benefits.

## Product Advantages

1. Change the composition and morphology of inclusions in steel, improve the mechanical properties of steel.
2. Reduce and eliminate nozzle blocking of steelmaking. After silicon calcium cored wires feeding and calcium treatment, the solid  $Al_2O_3$  with high melting point and aluminum silicate are changed into calcium aluminate. Calcium aluminate appears to be liquid under the pouring temperature because of its low melting point, which helps avoid gathering and eliminate the phenomenon of nozzle clogging.
3. Improve the recovery rate of alloy elements and stay stability. The recovery rate of Calcium was 1% ~ 3% with the general addition method, 5% with powder spraying method, and 10% ~ 30% after applying the line feeding method.

## Product Packaging

Steel pallet with iron cage or packing as requested by customers.



## Specification

Wire Type	Main Composition (%)	Diameter (mm)	Sheath Thickness (mm)	Powder Weight (g/m) = min
CaSi	Ca 20-30% Si 50-60%			220
Ca Fe	Ca30-32% Fe68-70%	13+0.8	0.4±0.05	250
Si Al	Si 25% min Al 35% min			160

**Note: Ingredient proportion of products can be adjusted according to clients' requirements.**