

# Cored Welding Wire

Cored welding wire is a composite material featuring a metallic sheath and a core of powdered substances like fluxes, alloying elements, or deoxidizers. It enhances welding processes by adding elements to the weld pool, improving weld quality and mechanical properties.



## Product Overview

### Industrial Cored Wire Solutions

Cored wire is a specialized composite material consisting of a metallic sheath surrounding a core of powdered materials, including fluxes, alloying elements, or deoxidizers. These wires are designed for demanding industrial applications to enhance weld quality and mechanical properties by introducing precise elements into the weld pool. Our range offers diverse chemical compositions to suit specific metallurgical requirements.

## Available Types & Diameters

### Available Types

Type	Available Diameters (mm)
CaSi	9 / 13 / 16
CaFe	9 / 13 / 16
C	9 / 13 / 16
Pure Ca	9 / 13
Solid Ca	9 / 11
MgSiFe	9 / 13
Pure Al	9 / 12 / 15
FeTi	9 / 13
CaAlFe	9 / 13
FeB	9 / 13
FeS	9 / 13
Pure S	9 / 13
Pure Mg	9 / 13
SiBaCa	9 / 13
FeMnN	9 / 13
FeV	9 / 13
Pb	9 / 13

## Chemical Composition

### Material Specifications

The cored wire is available in various chemical compositions. Key variants include CaSi (Ca 30% min, Si 55% min), Pure Al (Al 99.7% min), and FeTi (Ti 65-75%). Other specialized options such as MgSiFe, FeB, and FeMnN are available to meet precise metallurgical needs. Please refer to the specific product type for detailed elemental limits.