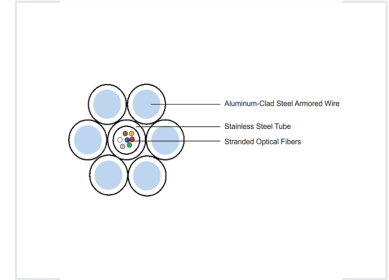
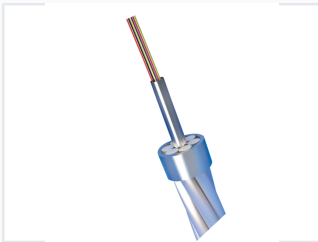


# Central Tube Optical Ground Wire

Optical ground wire features a central tube design, integrating optical fibers within a grounding wire. This cable provides both grounding and communication capabilities, suitable for overhead transmission lines.



## ADDITIONAL IMAGES



## Product Overview

### Central Tube Optical Ground Wire

This Central Tube Optical Ground Wire (OPGW) is engineered for overhead transmission lines, serving the dual purpose of reliable grounding and high-speed data communication. Featuring a compact and lightweight structure, the design integrates optical fibers within a central tube to protect them from mechanical stress and harsh environmental factors. It is constructed with aluminum-clad steel or aluminum alloy wires, ensuring excellent tensile properties and long-term durability in power transmission networks.

## Technical Features

### Key Characteristics

- Compact structure
- Light weight
- Excellent fiber excess length parameter
- Excellent tensile property

### Construction Components

Aluminum-Clad Steel Armored Wire, Stainless Steel Tube, Stranded Optical Fibers

## Application

### Core Functions

Grounding • Data Communication

### Primary Application

Overhead power transmission lines