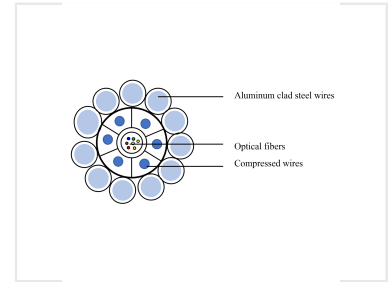
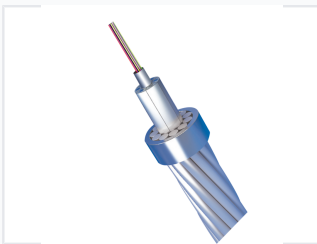


# Stranded Optical Ground Wire with Compressed Wires

This optical ground wire (OPGW) features a stranded construction with compressed wires. It integrates optical fibers for data transmission within a grounding wire, providing both lightning protection and communication capabilities.



## ADDITIONAL IMAGES



## Product Overview

### Stranded Optical Ground Wire

This Optical Ground Wire (OPGW) features a stranded construction with compressed wires, designed to integrate optical fiber data transmission directly into overhead power line grounding systems. The design offers a compact, lightweight structure that maintains excellent fiber excess length parameters and superior tensile properties. It is an ideal solution for power utility infrastructure requiring simultaneous lightning protection and high-speed communication capabilities.

## Key Features

### Design Advantages

- Compact structure
- Lightweight design
- Excellent fiber excess length parameter
- Excellent tensile property
- Compressed wire construction for enhanced conductivity

## Technical Specifications

### Cable Construction

Component	Function
Optical Fibers	High-speed data transmission
Compressed Wires	Mechanical strength and conductivity
Aluminum-clad Steel Wires	Protection and grounding

## Applications

### Primary Applications

Overhead Power Lines, Power Grounding, Fiber Optic Communication, Lightning Protection