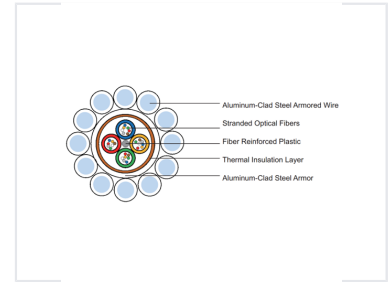
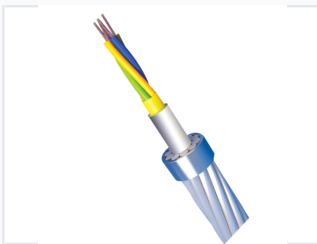


# Aluminum Tube Optical Ground Wire

This optical ground wire cable features an aluminum tube construction for housing optical fibers. It is designed with multiple layers, including aluminum alloy wires, to ensure mechanical strength, conductivity, and reliable communication in overhead power transmission lines.



## ADDITIONAL IMAGES



## Product Overview

### Aluminum Tube Optical Ground Wire

The Aluminum Tube Optical Ground Wire (OPGW) is engineered for reliable communication and grounding in overhead power transmission lines. This cable features a robust construction with a central aluminum tube housing optical fibers, providing superior protection and signal transmission capabilities. Designed for durability, it incorporates aluminum-clad steel armored wire and thermal insulation to ensure stable performance across diverse environmental conditions.

## Key Characteristics

### Performance Features

Corrosion Resistance, Lightning Resistance, Short-circuit Current Resistance

## Construction Details

### Cable Components

- Central aluminum tube housing optical fibers
- Stranded aluminum alloy wires
- Aluminum-clad steel armored wire
- Fiber reinforced plastic layer
- Thermal insulation layer

### Structural Composition

**1 Aluminum**

Central Tube Material

**1 Aluminum-Clad Steel**

Outer Armor Type