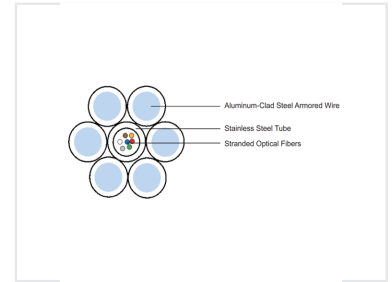
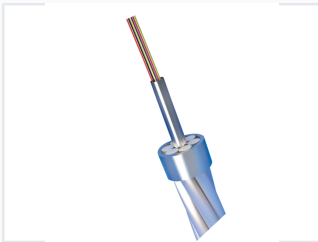


Central Tube Optical Ground Wire

This optical ground wire (OPGW) cable features a central tube construction, housing optical fibers. It is surrounded by aluminum-clad steel wires, providing mechanical strength and conductivity for high-voltage power transmission lines.



ADDITIONAL IMAGES



Overview

Central Tube Optical Ground Wire (OPGW)

This Central Tube Optical Ground Wire is engineered for simultaneous grounding and high-speed optical fiber communication on high-voltage power transmission lines. Featuring a robust central tube construction, it houses multiple optical fibers protected by aluminum-clad steel wires. This design ensures exceptional mechanical strength, conductivity, and long-term reliability for integrated communication networks.

Key Features

Design Highlights

- Compact structure
- Lightweight design
- Excellent fiber excess length parameter
- Superior tensile properties
- Integrated grounding and communication

Technical Construction

Construction Components

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

Application

Typical Application

High-voltage power transmission lines • Overhead communication networks