

Overhead Central Loose Tube OPGW Fiber Optic Ground Wire Cable



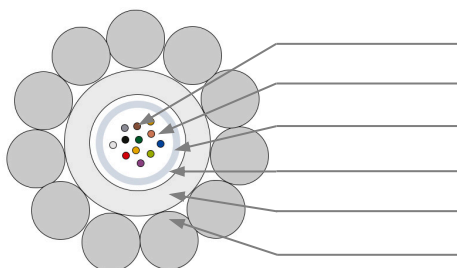
Description

OPGW cable is also known as Optical Fiber Composite Overhead Ground Wire. Fiber unit is placed in high-voltage overhead transmission line ground wire. So, this cable is a composite structure of both overhead ground wire and fiber communications, which forms the fiber communication network on the power transmission line. And suitable for new design or replacement of ground wire.

Features

- Metal conductor wrapped opgw cable is more reliable and stable
- Superior mechanical properties for aluminum clad or aluminum alloy wire
- Low cost of installation when overhead ground wire and optical cable combined
- Commercial for new laying or upgrade of existing ground wire

Cable Structure



- ① Optical Fiber
- ② Tube Filling Compound
- ③ Loose Tube
- ④ Thermal Barrier
- ⑤ Aluminum Tape
- ⑥ Aluminum Clad Steel Wire

Technical Characteristics

Fiber Count	Fiber Unit	Nominal Diameter (mm)	Weight (kg/km)	Rated Breaking Force (kN)	20°C DC Resistance (Ω/km)
OPGW 24	1	12.6	615.4	107.4	0.9718
OPGW 30	1	14.55	819.2	143.64	0.7244
OPGW 36	1	15.6	934.7	164.44	0.6326
OPGW 48	1	17.1	1125	193.32	0.526

Applications: Duct, Aerial