



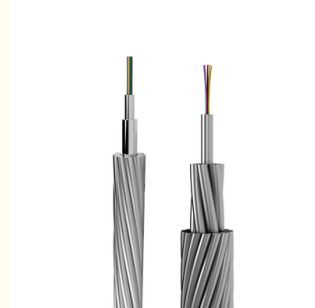
## 24Core 48Core 96 Core OPGW Fiber Cable Aluminum Tube Loose Tube Type

Our Product Introduction

for more products please visit us on [fiberoptical-cables.com](http://fiberoptical-cables.com)

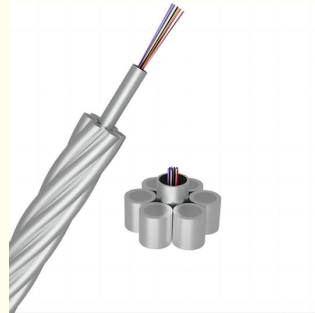
### Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: OPGW
- Minimum Order Quantity: 2km
- Packaging Details: Wooden Spool /drum
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

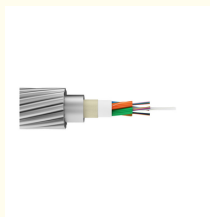
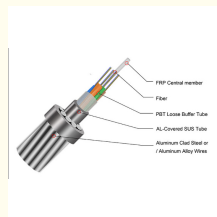


### Product Specification

- Warranty Period: 25 Years
- Jacket Material: LASER WELDED STAINLESS STEEL
- Fiber Type: G.652D
- Storage Temperature: -30°C To +60°C
- Armored Type: ALUMINUM-CLAD WIRE/ALUMINUM - ALLOY WIRE
- Fiber Count: 24/48/96/144
- DIAMETER: 12-18MM
- WEIGHT: 350-900KG/KM
- Application For: Replacemnet Of Aerial Ground Wire
- Supporting Cross Section: 106.19mm<sup>2</sup>
- Oem: Acceptable
- Application: Overhead Power Transmission
- Highlight: 96 Core OPGW Fiber Cable,  
48Core OPGW Fiber Cable,  
Aluminum Tube OPGW Fiber Cable



### More Images



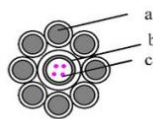
### Product Description

#### Free Sample 24Core 48Core 96 Core OPGW Fiber Cable Aluminum Tube Loose Tube Type

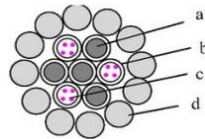
48 Core OPGW Cable is a dual functioning cable performing the duties of a ground wire and also providing a patch for the transmission of voice, video or data signals . The fibers are protected from environmental conditions (lightning, short circuit, loading) to ensure reliability and longevity. 48 Core OPGW Cable is designed to be installed on transmission and distribution lines to carry voice, data and video communications, especially in lighting waveform monitoring system, an observation system for overhead test line, maintenance data information system, power line protection system, power line operation system, and unmanned substation monitoring.

PBT Loose Tube Was Extruded Aluminum Tube,  
Surround By Outer Layer Aluminum Clad Steel Wire Or Aluminum Alloy Wire.  
The Fiber In Different Tube With Code Of Color Identity, The Number Of Fiber Up To 96 Core  
Fiber Type: SM single mode G652D fiber Single mode G655Fiber  
Fiber core: OPGW 24 Core, OPGW 48 Core, OPGW 96 Core  
Work life: 25-30 Years  
Application: new line & power transmission line with heavy chemical pollution

Our Product Introduction



a: Aluminum Clad Steel Wire;  
c: Optical Fiber;



b: Stainless Steel Tube  
d: Aluminum Alloy Wire

#### What Are the Features of OPGW Cable ?

Excellent corrosion resistant performance.opgw cable

Applicable to coastal areas and areas with heavy pollution.optical ground wire

Easy splice fiber of code color opgw fiber cable

Fiber optic cable (OPGW-2S 1/24D1 (74/52-111/0)

OPGW Earth Wire must be capable of withstanding the mechanical stresses applied to overhead cables by environmental factors like wind and ice, as well as handling electrical faults on the transmission line without damaging the optical fibers.

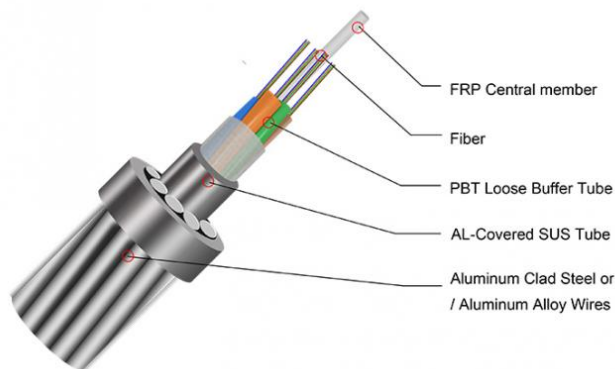
The OPGW cable is constructed with high-tensile strength materials, ensuring it can withstand extreme weather conditions and mechanical stress.

This durability ensures the reliability and longevity of the cable, reducing maintenance costs and downtime.

The OPGW cable serves as both a grounding wire and a communication channel.

This dual functionality not only saves on installation costs

but also maximizes the use of infrastructure space. By combining these two essential functions, the OPGW cable becomes a cost-effective solution for power companies.

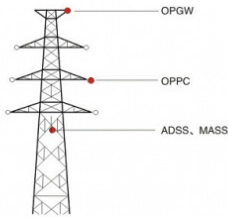


**STANDARD**

Short circuit current power at t=+40C	111KA2c
Electrical resistance to electric current	0.33 OM/KM
Nominal breaking force	74.0 kN
Wire section	125.5 mm2
Cross section of the steel core	51.63 mm2
Aluminum section	73.63 mm2
Wire diameter	15.0 mm
Weight 1 km	545 kg
Modulus of elasticity	96000 MPa
Temperature coefficient of linear expansion	0.0000172 1/deg
Permissible voltage at the highest load and lowest temperature	236.0 MPa
Permissible stress at an average annual temperature	94.4-147.5 MPa
Maximum building length	6000 meters
Quantity of fibers	24 pieces

Code	Model	Fiber core	Weight of cable(kg/km)	Overall diameter (mm)	Break strength load(KN)	Short Circuit (KA2s)
OPGW75-36	OPGW-36B1-75 [90;32.1]	36G652D	496	11.4	94.5	32.1
OPGW90-36	OPGW-36B1-90 [84.6;50.4]	36G652D	540	12.5	89	50.4
OPGW153-36	OPGW-36B4-153[148.5;123.5]	36G655	648	16.3	148.5	123.5

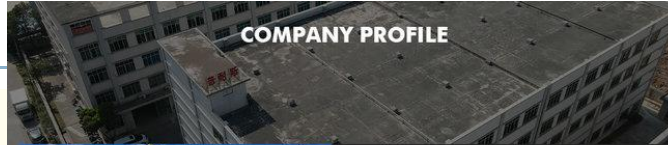
- OPGW:** Dual performance of ground wires with communication capabilities.
- OPPC:** Dual performance functions of phase conductors with communication capabilities.
- ADSS:** Non-metallic self-supporting optical fiber cables directly between two power towers.
- MASS:** Metallic self-supporting optical fiber cables directly between two power towers.




**Cable Marking&Fibers Colors**

COMPANY Fiber cable name N\*cores G.652D 2024 XXXXm  
 \*The marking is printed every 1 meter;  
 \*\*\*G.652D” means ITU-T Rec. Low Water Peak (LWP) G.652 single mode optical fiber..  
 Also can according to client cable marking.

## Production Supplier Profile



### COMPANY PROFILE



### ABOUT FIBER

Guangzhou fiber cablepuls co.,ltd

Fiber cablepuls is one of the high-tech fiber optic cable factories in China that can produce the most complete series of fiber optic cables, equipped with the most advanced fiber optic cable manufacturing, and have the most advanced fiber optic connector production and testing equipment in China.

The factory has obtained SGS ISO9001-2015, ISO14001-2004 and GB/T28001-2001 successively obtained international system certification.

Over the past 12 years, we have provided optical cable products and comprehensive solutions to more than 90 countries and regions around the world, and have received unanimous praise from customers, such as foreign telecom departments of the United States, Mexico Telecom, Thailand Telecom, Philippines Telecom, etc., domestic customers include: China Mobile, the General Administration of Radio, Film and Television, Lenovo, and many other large national enterprises.



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### OUR PRODUCTION CAPACITY AND QUALITY CONTROL SYSTEM



### How do I place an OEM or customized order?

- 1) Send your purchase intention to our email: [cotton@fibercablepuls.com](mailto:cotton@fibercablepuls.com)
- 2) Our sales team will contact you to confirm the product specification, packaging, printing, quantity, and other specific information.
- 3) Sign the contract or Proforma Invoice.
- 4) After receiving your deposit, we will start to arrange the production.
- 5) 2 weeks before the completion of production, we will notify you to start contacting shipping.

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