



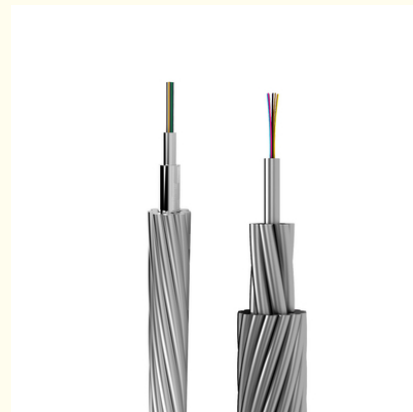
24/48/96 Core OPGW Fiber Cable Aluminum Tube Loose Type G652D

Our Product Introduction

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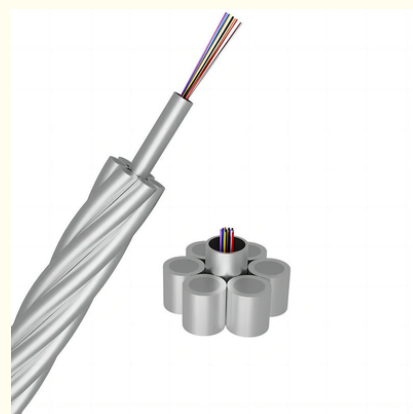
Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISSGD/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

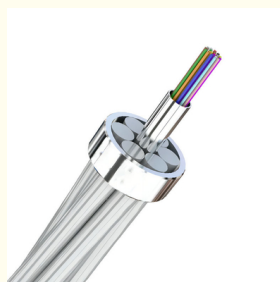
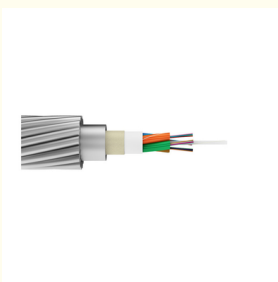
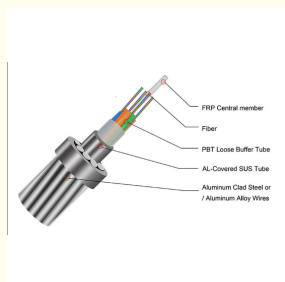


Product Specification

- Warranty Period: 25 Years
- Jacket Material: LASER WELDED STAINLESS STEEL
- Fiber Type: G.652D
- Storage Temperature: -30 To +60
- 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: 106.19mm²
- 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

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

Product Specifications

Attribute	Value
Warranty Period	25 years
Jacket Material	LASER WELDED STAINLESS STEEL
Fiber Type	G.652D
Storage Temperature	-30 to +60
Armored Type	ALUMINUM-CLAD WIRE/ALUMINUM-ALLOY WIRE
Fiber Count	24/48/96/144
Diameter	12-18MM
Weight	350-900KG/KM
Application For	Replacement of Aerial Ground Wire
Supporting Cross Section	106.19mm ²
OEM	Acceptable
Application	Overhead Power Transmission

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 that serves as both a ground wire and provides a path for transmitting voice, video, or data signals. The fibers are protected from environmental conditions (lightning, short circuit, loading) to ensure reliability and longevity.

Designed for installation on transmission and distribution lines, this cable carries communications for lighting waveform monitoring systems, overhead test line observation systems, maintenance data information systems, power line protection systems, power line operation systems, and unmanned substation monitoring.

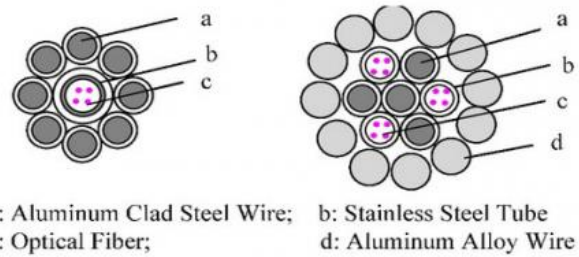
The PBT Loose Tube is extruded with an Aluminum Tube, surrounded by an outer layer of Aluminum Clad Steel Wire or Aluminum Alloy Wire. Fibers in different tubes are color-coded for identification, with capacity up to 96 cores.

Fiber Type: SM single mode G652D fiber, Single mode G655 Fiber

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



Key Features of OPGW Cable

- Excellent corrosion resistant performance
- Ideal for coastal areas and regions with heavy pollution
- Easy splice fiber with color-coded identification

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

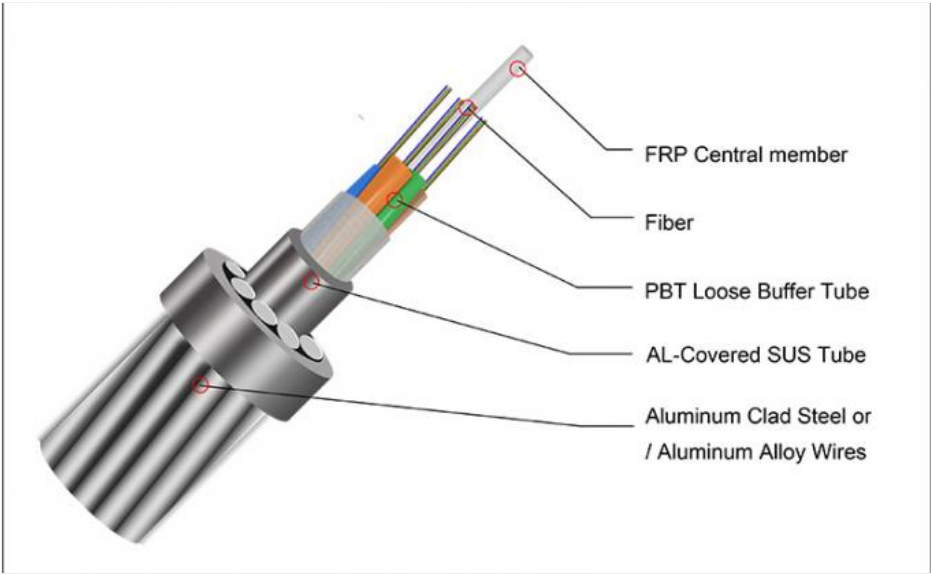
Capable of withstanding mechanical stresses from wind, ice, and electrical faults without damaging optical fibers

High-tensile strength materials ensure durability in extreme weather conditions

Dual functionality as grounding wire and communication channel reduces installation costs

Maximizes infrastructure space utilization

Cost-effective solution for power companies



Technical Standards

Parameter	Value
Short circuit current power at t=+40C	111KA²s
Electrical resistance to electric current	0.33 Ω/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 per km	545 kg
Modulus of elasticity	96000 MPa
Temperature coefficient of linear expansion	0.0000172 1/deg
Permissible voltage at highest load and lowest temperature	236.0 MPa
Permissible stress at average annual temperature	94.4-147.5 MPa
Maximum building length	6000 meters
Quantity of fibers	24 pieces

Product Models

Code	Model	Fiber Core	Weight (kg/km)	Diameter (mm)	Break Strength (KN)	Short Circuit (KA²s)
OPGW75-36	OPGW-36B1-75 [90;32.1]	36G652 D	496	11.4	94.5	32.1
OPGW90-36	OPGW-36B1-90 [84.6;50.4]	36G652 D	540	12.5	89	50.4

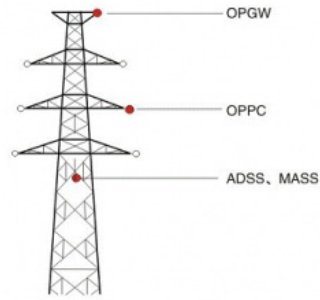
OPGW153-36	OPGW-36B4-153[148.5;123.5]	36G655	648	16.3	148.5	123.5
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OPGW: Dual performance of ground wires with communication capabilities.

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 & Fiber Colors

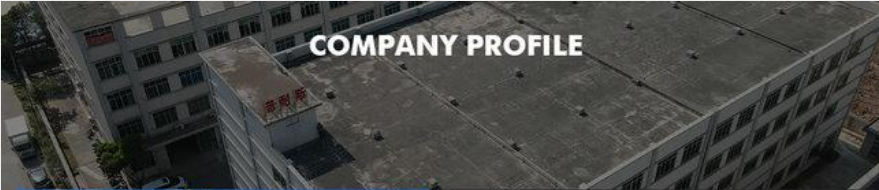
COMPANY Fiber cable name N*cores G.652D 2024 XXXXm

*The marking is printed every 1 meter


***"G.652D" means ITU-T Rec. Low Water Peak (LWP) G.652 single mode optical fiber

Custom marking available according to client requirements

Production Supplier Profile



COMPANY PROFILE



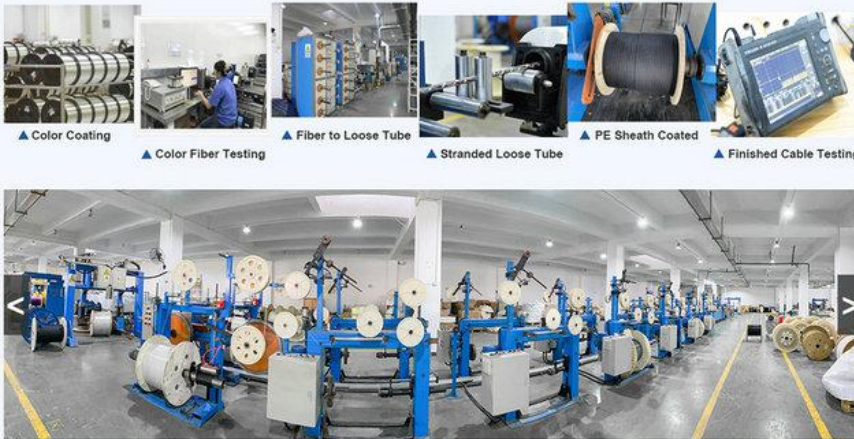
ABOUT FIBER

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.



OUR PRODUCTION CAPACITY AND QUALITY CONTROL SYSTEM



How to Place an OEM or Customized Order

Send your purchase intention to our email: cotton@fibercablepuls.com

Our sales team will contact you to confirm product specifications, packaging, printing, quantity, and other details

Sign the contract or Proforma Invoice

After receiving your deposit, we will begin production

Two weeks before production completion, we will notify you to arrange shipping



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