



## ADSS Fiber Optic Cable 6-144 Core Aerial Single Mode Multimode

### Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: ADSS fiber optic cable
- Minimum Order Quantity: 2km
- Price: negotiate
- Packaging Details: Wooden Spool  $\Phi 1200 \times 750$ mm
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit, 70%Balance before shipping.
- Supply Ability: 100km

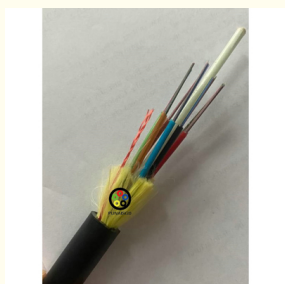


### Product Specification

- Type: ADSS Fiber Optic Cable
- Fiber Type: Single Mode/multimode
- Fiber Count: 6/12/24/36/48/72/96/144
- Outer Sheath: Black PE
- Installation Method: Aerial
- Strength Member Material: FRP/ARMID YARN
- Production Capacity: 200km Per Day
- HS Code: 854470000
- Highlight: Outdoor Fiber Optic Cable, ADSS Fiber Optic Cable, 24 Core Fiber Optic Cable



### More Images



## Product Description

### ADSS Fiber Optic Cable - 6/12/24/48 Core Outdoor Fiber Optical Cable

#### Product Specifications

Attribute	Value
Type	ADSS fiber optic cable
Fiber Type	Single mode/multimode
Fiber Count	6/12/24/36/48/72/96/144
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Strength Member Material	FRP/ARMID YARN
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#### Product Overview

ADSS (Aerial Drop Submarine) Fiber Optic Cable is a specialized optical fiber cable designed for overhead installation between transmission towers or utility poles. Widely used in telecommunications and data transmission networks across urban and rural areas.

#### Key Features

**All-Dielectric Construction:** Non-metallic materials provide immunity to electromagnetic interference and eliminate lightning strike risks.

**Aerial Installation:** Requires no metal support wires or grounding, making deployment cost-effective on existing infrastructure.

**High Tensile Strength:** Engineered to withstand mechanical stresses from wind, ice, and environmental factors with typical span lengths of 100-150 meters.

**High Performance:** Supports high-speed data transmission with low attenuation, compatible with Gigabit Ethernet and 5G infrastructure.

**Environmental Robustness:** Resistant to extreme temperatures, UV exposure, and moisture for reliable operation in diverse climates.

#### Technical Specifications

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter/pad diameter (mm)	Nominal Thickness of outer jacket (mm)	Cable diameter/Height (mm)	Cable weight (kg/km)
4	1+6	4	1.9±0.1	2.0/2.0	1.6	9.5±0.2	80
6	1+6	6	2.0±0.1	2.0/2.0	1.6	9.8±0.3	80
8	1+6	4	1.9±0.1	2.0/2.0	1.6	9.8±0.3	80
12	1+6	6	2.1±0.1	2.0/2.0	1.6	9.8±0.3	80
24	1+6	12	2.1±0.1	2.0/2.0	1.6	9.8±0.3	80
36	1+6	12	2.2±0.1	2.0/2.0	1.6	10.0±0.3	85
48	1+6	12	2.2±0.1	2.0/2.0	1.6	10.0±0.3	85
72	1+6	12	2.2±0.1	2.0/2.0	1.6	10.0±0.3	85
96	1+8	12	2.2±0.1	2.0/3.4	1.7	11.8±0.3	123
144	1+12	12	2.2±0.1	3.0/6.2	1.7	14.5±0.3	175



#### Fiber Parameters (G.652D)

No.	Items	Unit	Specification
1	Mode Field Diameter	1310nm $\mu\text{m}$ 1550nm $\mu\text{m}$	9.2 $\pm$ 0.4 10.4 $\pm$ 0.8
2	Cladding Diameter	$\mu\text{m}$	125.0 $\pm$ 1.0
3	Cladding Non-Circularity	%	$\leq$ 1.0
4	Core-Cladding Concentricity Error	$\mu\text{m}$	$\leq$ 0.5
5	Coating Diameter	$\mu\text{m}$	245 $\pm$ 5
6	Coating Non-Circularity	%	$\leq$ 6.0
7	Cladding-Coating Concentricity Error	$\mu\text{m}$	$\leq$ 12.0
8	Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm dB/km 1550nm dB/km 1380nm dB/km 1625nm dB/km	$\leq$ 0.35 $\leq$ 0.21 $\leq$ 0.35 $\leq$ 0.24
10	Attenuation and wavelength	1310nm 1285-1330nm dB/km 1550nm 1525-1575nm dB/km 1550nm 1480-1580nm dB/km	$\leq$ 0.04 $\leq$ 0.03 $\leq$ 0.05
11	Dispersion	1288-1339nm ps/(nm.km) 1271-1360nm ps/(nm.km) 1480-1580nm ps/(nm.km) 1550nm ps/(nm.km)	$\geq$ -3.5, $\leq$ 3.5 $\geq$ -5.3, $\leq$ 5.3 $\leq$ 20 $\leq$ 18
12	Zero dispersion wavelength	Nm	1300-1324
13	Zero dispersion slope	ps/(nm <sup>2</sup> *km)	$\leq$ 0.092
14	Typical value	ps/(nm <sup>2</sup> *km)	0.04
15	Largest individual fiber	Ps/ $\sqrt{\text{km}}$	0.2
16	Link design values	Ps/ $\sqrt{\text{km}}$	0.1
17	Two way average	1310nm-1550	$\leq$ 0.01dB

#### Key Benefits

Dielectric properties eliminate need for metal support structures, reducing installation costs

Reliable performance near high-voltage power lines without electromagnetic interference

Superior weather resistance and tensile strength for harsh environments including coastal areas and high altitudes



### Applications



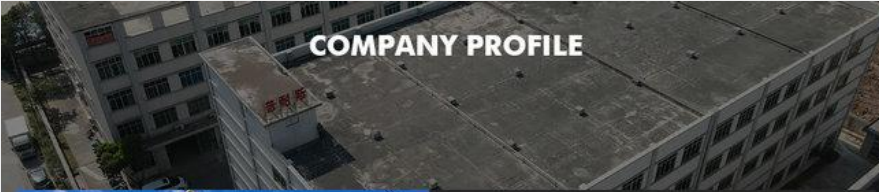





## Optical Fiber Hardware for ADSS Cables



## Production Supplier Profile



### COMPANY PROFILE



### ABOUT FIBER

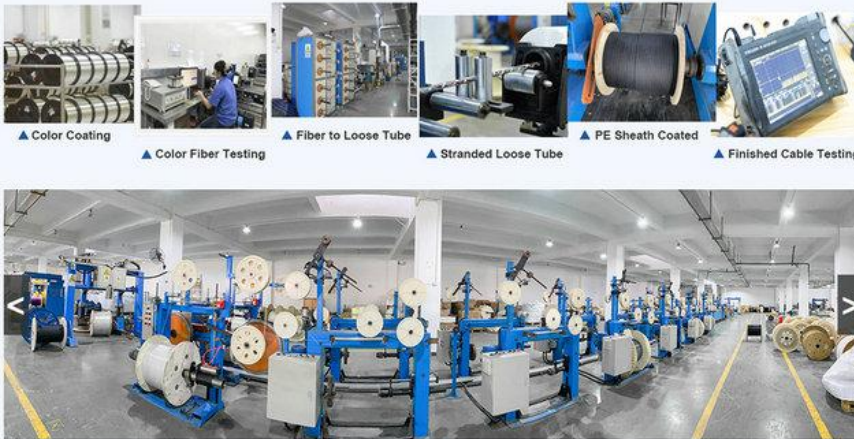
Guangzhou fiber cablepuls co.,ltd

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 50 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



### Ordering Process

Send your purchase intention to our email: [cotton@fibercablepuls.com](mailto:cotton@fibercablepuls.com)

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

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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