ADSS Fiber Optic Cable 6-144 Core Single Mode Aerial Installation

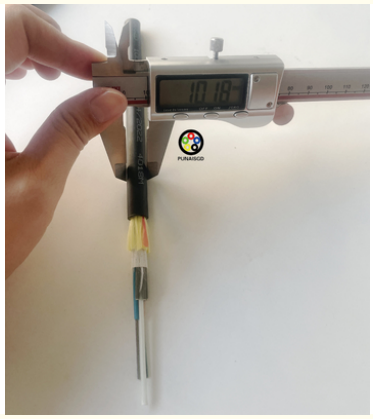
Our Product Introduction

Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: ADSS-24b1.3-SJ-100M
- Minimum Order Quantity: 2km
- Price: negotiate
- Packaging Details: Wooden Spool Φ1200*750mm
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

Product Specification

- Type: ADSS Optical Cable-12b1.3
- Fiber Type: Single-mode
- Fiber Count: 6/12/24/36/48/72/144
- Oute Sheath: Black PE
- Inner Sheath Material: PE
- Installation Method: Aerial
- Strength Member Material: FRP/ARMID YARN
- Cable Diameter: 12.5mm
- Highlight: **12 Core ADSS Fiber Optic Cable**, **48 Core ADSS Fiber Optic Cable**, **24 Core ADSS Fiber Optic Cable**



Product Description

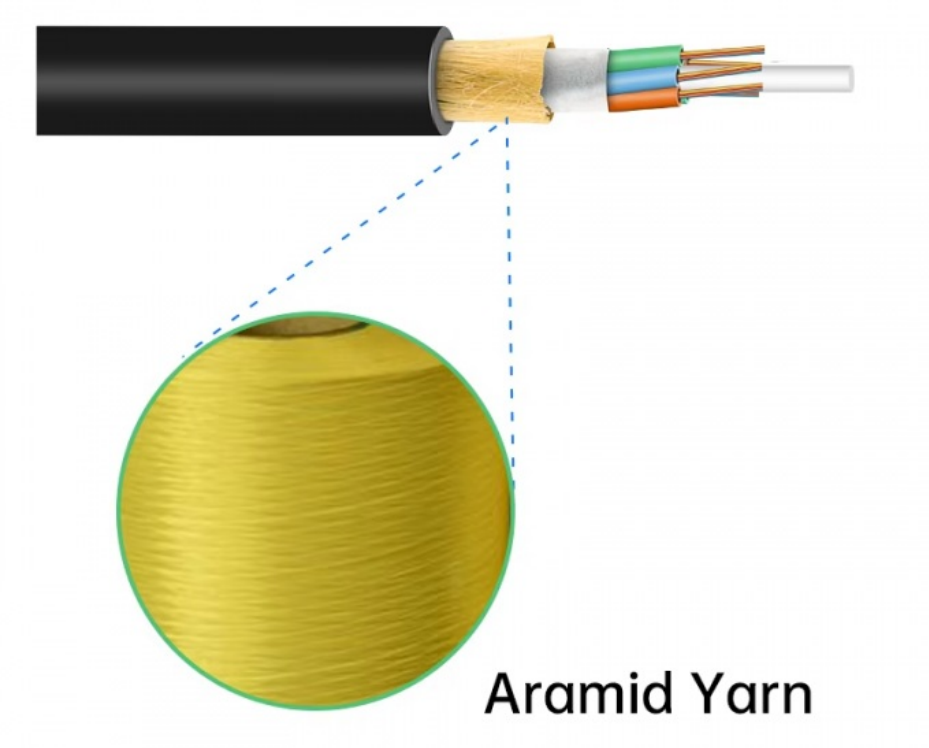
ADSS Fiber Optic Cable 6 8 12 24 48 Core G652d Single Mode Loose Tube ADSS Optical Fiber Cable

Product Specifications

Attribute	Value
Type	ADSS optical cable-12b1.3
Fiber Type	Single-mode
Fiber Count	6/12/24/36/48/72/144
Outer Sheath	Black PE
Inner Sheath Material	PE
Installation Method	Aerial
Strength Member Material	FRP/ARMID YARN
Cable Diameter	12.5mm

ADSS Fiber Optic Cable For Aerial Installation

ADSS (Aerial Drop Submarine) Fiber Optic Cable is a type of optical fiber cable designed for installation in overhead environments, typically between transmission towers or along utility poles. It is widely used for telecommunication, data transmission, and networking in both urban and rural areas.
ADSS cables are typically used in telecommunications, power grid communications, and other areas where reliable and high-capacity fiber optic networks are needed over long distances.



Key Features

- ✓ High tensile strength
- ✓ All dielectric structure and semi-dry core design
- ✓ Small diameter and light weight
- ✓ Self-supporting aerial installation

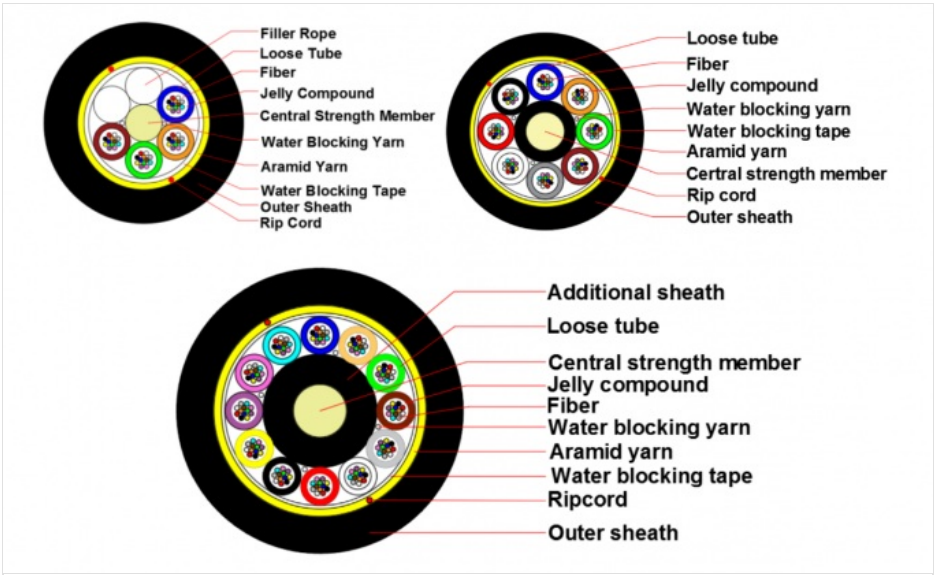
Ordering Specifications

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)	μm	9.2±0.4
	Mode Field Diameter (1550nm)	μm	10.4±0.8
2	Cladding Diameter	μm	125.0±1.0
3	Cladding Non-Circularity	%	≤1.0
4	Core-Cladding Concentricity Error	μm	≤0.5
5	Coating Diameter	μm	245±5
6	Coating Non-Circularity	%	≤6.0
7	Cladding-Coating Concentricity Error	μm	≤12.0
8	Cable Cutoff Wavelength	nm	λcc≤1260
9	Attenuation(max.) (1310nm)	dB/km	≤0.35
	Attenuation(max.) (1550nm)	dB/km	≤0.21
	Attenuation(max.) (1380nm)	dB/km	≤0.35
	Attenuation(max.) (1625nm)	dB/km	≤0.24
10	Attenuation and wavelength (1310nm 1285-1330nm)	dB/km	≤0.04
	Attenuation and wavelength (1550nm 1525-1575nm)	dB/km	≤0.03
	Attenuation and wavelength (1550nm 1480-1580nm)	dB/km	≤0.05
11	Dispersion (1288-1339nm)	ps/(nm.km)	≥-3.5, ≤3.5
	Dispersion (1271-1360nm)	ps/(nm.km)	≥-5.3, ≤5.3
	Dispersion (1480-1580nm)	ps/(nm.km)	≤20
	Dispersion (1550nm)	ps/(nm.km)	≤18
12	Zero dispersion wavelength	Nm	1300-1324
13	Zero dispersion slope	ps/(nm2•km)	≤0.092
14	Typical value	ps/(nm2•km)	0.04
15	Largest individual fiber	Ps/√ km	0.2

16	Link design values	Ps/√ km	0.1
17	Two way average (1310nm-1550)		≤0.01dB



Single Sheath ADSS Cable Features

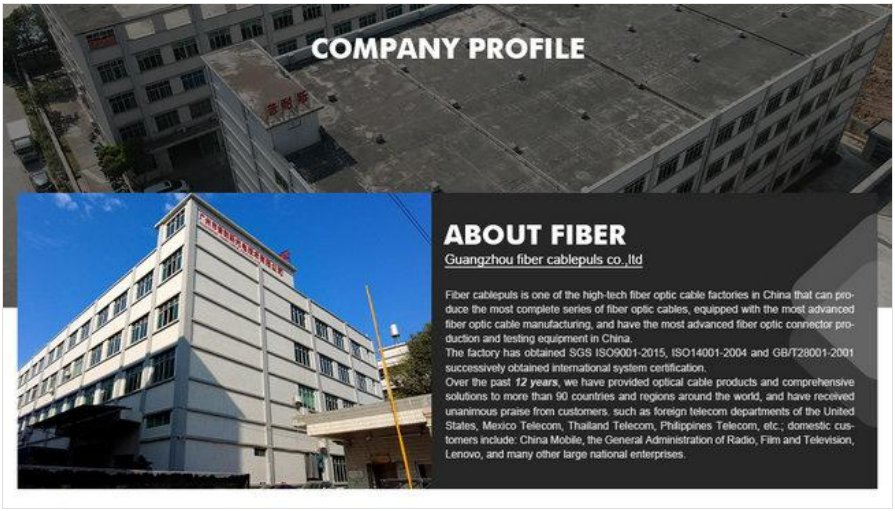
Construction: This type features a single outer jacket layer. Lightweight: It's typically lighter than double sheath variants.
Applications: Ideal for environments with lower risk of mechanical damage or where cable weight is a critical factor.
Cost-Efficient: Generally more cost-effective due to less material usage.
Environmental Resistance: Offers sufficient protection against UV rays, moisture, and minor abrasions.

Double Sheath ADSS Cable Features

Construction: Equipped with two layers of sheathing, an inner and an outer jacket.
Enhanced Protection: Provides better mechanical protection, making it suitable for harsher environments.
Durability: More resistant to abrasion, rodents, and other forms of physical damage.
Weight and Cost: Heavier and typically more expensive than single sheath cables due to additional materials.
Applications: Preferred in areas with higher potential for mechanical stress, such as regions with dense vegetation or frequent severe weather.

Optical Fiber Hardware for ADSS Cables

Production Supplier Profile



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 the product specification, packaging, printing, quantity, and other specific information.

Sign the contract or Proforma Invoice.

After receiving your deposit, we will start to arrange the production.

2 weeks before the completion of production, we will notify you to start contacting shipping.

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