ADSS Fiber Optic Cable 80m 100m 120m 200m Span ADSS Optical Single Jacket ADSS Aramid Yarn Optic Fibre Cable

Our Product Introduction

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 Φ1200*750mm
- 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
- Oute Sheath: Black PE
- Installation Method: Aerial
- Strength Member Material: FRP/ARMID YARN
- Production Capacity: 200km Per Day
- HS Code: 854470000
- Highlight: **120m ADSS Fiber Optic Cable**, **100m ADSS Fiber Optic Cable**, **200m ADSS Fiber Optic Cable**

More Images

Our Product Introduction

Product Description

ADSS Fiber Optic Cable 80m 100m 120m 200m Span Fiber Cable ADSS Optical Single Jacket ADSS Aramid Yarn Fiber Optic Cable Optic Fibre Cable ADSS

Introduction

The ADSS optical cable, a sophisticated type of fiber optic cable, adopts a loose sheathed twisted structure. This advanced design features fibers enclosed in a loose tube made from high modulus polyester material. To enhance durability, a waterproof compound fills the loose tube, protecting the fibers from moisture. Additionally, the loose tube and a filler rope twist around a non-metallic central reinforcement core made of fiber-reinforced plastic (FRP), forming a compact and robust cable core. Furthermore, water-blocking grease fills the gaps in the cable core, effectively preventing water ingress.

Outer Structure

The outer core of the ADSS cable is covered with an extruded polyethylene (PE) inner sheath. Following this, the cable undergoes a two-way twisting process with two layers of aramid yarn, which significantly enhances its overall strength. To provide additional protection, the outer end of the cable is covered with either a polyethylene (PE) jacket or an electric corrosion-resistant (AT) jacket. This dual-layer protection ensures the cable's longevity and resilience against various environmental conditions.

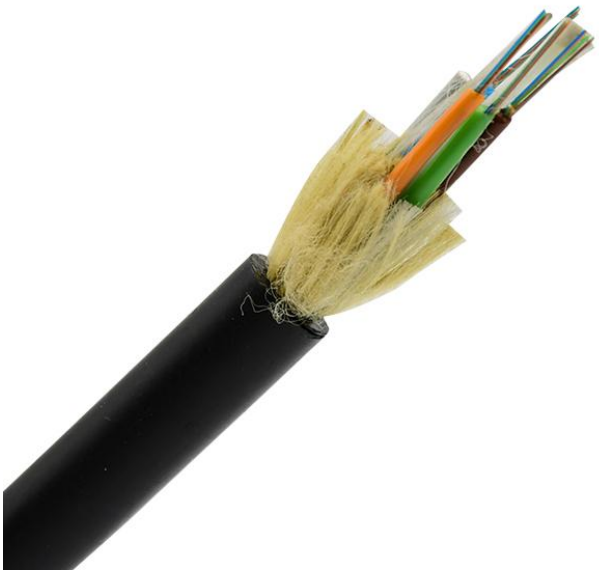
Installation Advantages

Infrastructure Efficiency: The ADSS fiber optic cable can be installed on the same pole towers as power lines, eliminating the need for additional structures. Consequently, this integration simplifies the installation process and optimizes the use of existing infrastructure.

Uninterrupted Construction: Installation and construction of the ADSS cable can proceed without causing power outages. As a result, the failure of power lines will not impact the normal transmission of optical cables, ensuring continuous and reliable communication.

ADSS Cable Place Order Information

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				
No.	Items		Unit	Specification
				G.652D
1	Mode Field Diameter	1310nm	μm	9.2±0.4
		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
		1550nm	dB/km	≤0.21
		1380nm	dB/km	≤0.35
		1625nm	dB/km	≤0.24
10	Attenuation and wavelength	1310nm 1285-1330nm	dB/km	≤0.04
		1550nm 1525-1575nm	dB/km	≤0.03
		1550nm 1480-1580nm	dB/km	≤0.05
11	Dispersion	1288-1339nm	ps/(nm.km)	≥-3.5, ≤3.5
		1271-1360nm	ps/(nm.km)	≥-5.3, ≤5.3
		1480-1580nm	ps/(nm.km)	≤20
		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

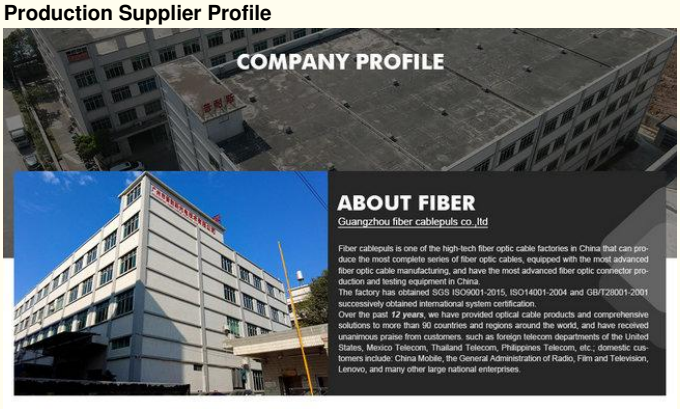
Benefits of ADSS Cable

ADSS cables rely solely on their dielectric properties, eliminating the need for metal support structures and reducing installation costs.
Designed to withstand high electric fields, ADSS cables perform reliably near high-voltage power lines without interference from electromagnetic fields.
With superior weather resistance and tensile strength, ADSS cables excel in harsh environments like coastal areas and high altitudes, ensuring long-term performance.

Applications of ADSS Cables

Optical Fiber Hardware for ADSS cables

Production Supplier Profile



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OUR PRODUCTION CAPACITY AND QUALITY CONTROL SYSTEM

▲ Color Coating ▲ Color Fiber Testing ▲ Fiber to Loose Tube ▲ Stranded Loose Tube ▲ PE Sheath Coated ▲ Finished Cable Testing

How do I place an OEM or customized order?
1) Send your purchase intention to our email: **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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