



ADSS Fiber Optic Cable All Dielectric Self-supporting Aerial Cable

Our Product Introduction

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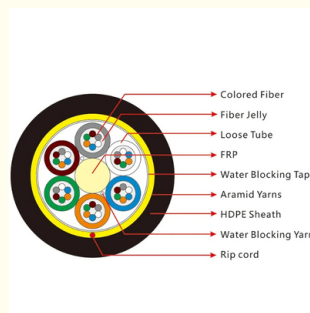
Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAI SGD/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: **ADSS Fiber Optic Cable,
Aerial ADSS Fiber Optic Cable,
All Dielectric Self-supporting Aerial Cable**



Product Description

ADSS Fiber Optic Cable All Dielectric Self-supporting Aerial Cable

The self supporting aerial cables is loose tube stranded. 250 μ m fibers are positioned into a loose tube made of high modulus plastics. The tubes are filled with a water-resistant filling compound. The tubes (and fillers) are stranded around a FRP (Fiber Reinforced Plastic) as a non-metallic central strength member into a compact and circular cable core. The cable core is not only filled with filling compound, but also covered with thin PE (polyethylene) inner sheath. The stranded layer of aramid yarns are applied over the inner sheath as strength member. Therefore, the cable is completed with PE or AT (anti-tracking) outer sheath. ADSS has good performance of tensile strength and temperature.

All-dielectric self-supporting (ADSS) cables are manufactured with an FRP dielectric central strength member, with multiple loose tube optical fibres. The external jacket is UV stabilised and extremely resistant to the ingress of moisture, with operating temperatures from -40-+70 degrees, the cables are suitable for installation to 11kV power lines.

Features:

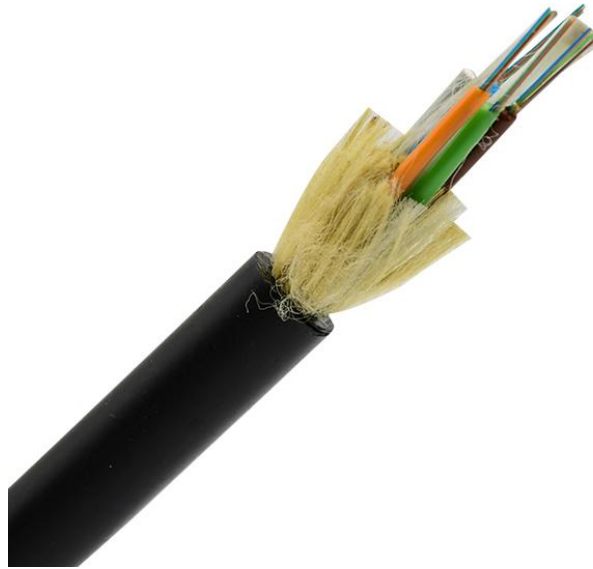
- Can be installed without shutting off the power
- Light weight and small diameter reducing the load caused by ice and wind and the load on towers and backprops
- Large span lengths
- Good performance of tensile strength and temperature
- The design life span is 30 years

ADSS Cable Place Order Information

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Our Product Introduction

| 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 | λ _c ≤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/(nm ² ·km) | ≤0.092 |
| 14 | Typical value | | ps/(nm ² ·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.



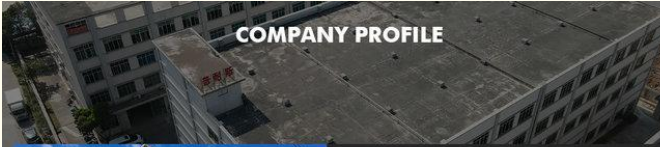
Applications of ADSS Cables



Optical Fiber Hardware for ADSS cables



Production Supplier Profile



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
- 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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