ADSS Aerial Fiber Optic Cable 24F PE Double Sheath Loose Multi Tube Aramid Yarn

Our Product Introduction

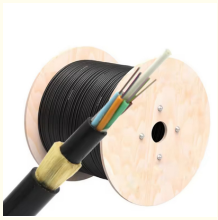
Basic Information

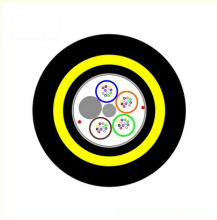
- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: ADSS-DJ-100M
- Minimum Order Quantity: 2km
- Price: 190
- Packaging Details: Wooden Spool Φ1200*750mm
- Delivery Time: 5-25days
- Payment Terms: 30%TT as deposit,70%Balance before shipping.
- Supply Ability: 100km

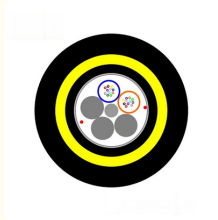
Product Specification

- Fiber Count: 24
- Warranty Period: 25 Years
- Jacket Color: Black
- Outer Sheath Material: HDPE
- Application: Outdoor Overheard
- Temperature Range: -40°C To +70°C
- Fiber Type: Single-mode
- Inner Sheath Material: PE
- Installation Method: Aerial
- Strength Member Material: FRP/ARMID YARN
- Cable Diameter: 13.5mm
- Highlight: **Aerial Fiber Optic Cable 24F**, **PE Sheath Aerial Fiber Optic Cable**, **Double Sheath Aerial Fiber Optic Cable**

More Images





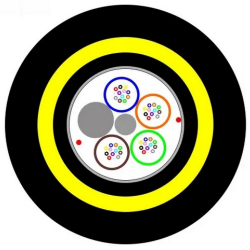
Our Product Introduction

Product Description

ADSS Cable 24F Fibra óPtica Double Jacket PE All Dielectric Self-Supporting Aerial Loose Multi-Tube Aramid Yarn

Introduction

ADSS cable is loose tube stranded. Fiber, 250μm, are positioned in a loose tube made of a high modulus plastic.
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.
After the cable core is filled with filling compound, it is covered with thin PE(polyethylene) inner sheath.
After stranded layer of aramid yarns are applied over the inner sheath as strength member,
the cable is completed with PE or AT(anti-tracking) outer sheath.



ADSS-D-48F

Features and Applications

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

ADSS Cable Place Order Information

Cable structure									
No. of fiber	8 cores	16cores	24cores	32cores	48cores	64cores	96cores	128cores	144cores
No. of fiber/tube	2cores	4cores	4cores	8cores	8cores	8cores	8cores	12+8cores	12cores
No. of Tube	4	4	6	4	6	8	12	10+1	12
Inner Diameter(mm)	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1
Diámetroext erior(mm)	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1	2.5±0.1
Filler	2	2	-	2	-	-	-	-	-
CentralStrength Member(FRP) mm	2.6	2.6	2.6	2.6	2.6	3.5	2.6/7.2	2.6/7.2	2.6/7.2
Tear rope (inner sheath)	2	2	2	2	2	2	2	2	2
Thickness of PE inner sheath	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Outer diameter of PE inner sheath	10.0	10.0	10.0	10.0	10.0	10.9	14.6	14.6	14.6
Reinforcing layer aramid	Domestic aramid fiber	-	-	-	-	-	-	-	-
Tear rope (outer sheath)	2	2	2	2	2	2	2	2	2
PE outer protection thickness	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Outer diameter of PE outer sheath	13.3±0.5	13.3±0.5	13.3±0.5	13.3±0.5	13.3±0.5	14.2±0.5	17.9±0.5	18.0±0.5	18.1±0.5

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
		1288-1339nm	ps/(nm.km)	≥-3.5, ≤3.5
		1271-1360nm	ps/(nm.km)	≥-5.3, ≤5.3
		1480-1580nm	ps/(nm.km)	≤20

11	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

Cable Marking&Fibers Colors

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

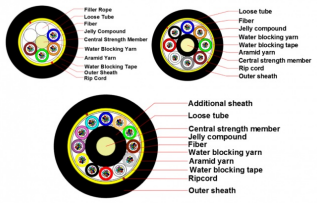
*The marking is printed every 1 meter;

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

Also can according to client cable marking.

Types of the ADSS cables

Single Sheath ADSS Cable:



Construction:

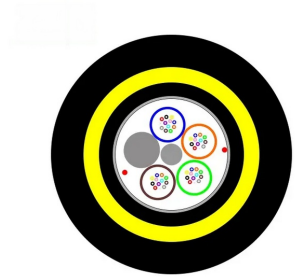
This type features a single outer jacket layer. Lightweight: It's typically lighter than double sheath variants.

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:



ADSS-D-48F

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.

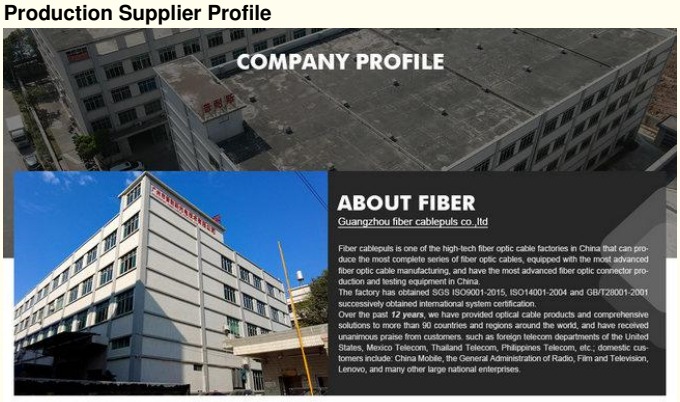
Durability:
More resistant to abrasion, rodents, and other forms of physical damage.

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 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.

925-926, Building B1, No. 2 Chuanghui Avenue, Yonghe Yushan InternationalGuangzhou city,Guangdong province,China