48 Core ADSS Fiber Optic Cable G652D Single Mode Aerial

Our Product Introduction

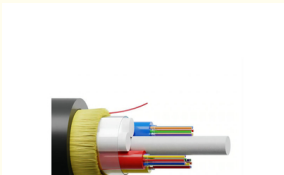
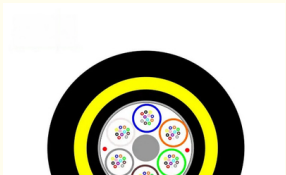
Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: ADSS-SJ-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 Type: G.652D
- Metal: No Metal
- Function: Delivery Signal Light
- Insertion Loss: ≤0.30dB
- Tube: Multi Loose Tube
- Operating Temp: -20 ~+60
- Istallation: Aerial
- Cable Diameter: 10.0mm±0.5mm
- Sheath: PE
- Length: 2/3/4km One Drum
- Span: 100/120/200/300/400 Customized
- Core Count: 48 Core
- Item Name: 96core ADSS Fiber Optic Cable
- Highlight: **G652D Aerial Fiber Optic Cable**, **Aerial Fiber Optic Cable 144 Core**,

More Images


Product Description

ADSS Outdoor Aerial Fiber Optic Cable Single Mode G652D 12 24 48 96 144 Core

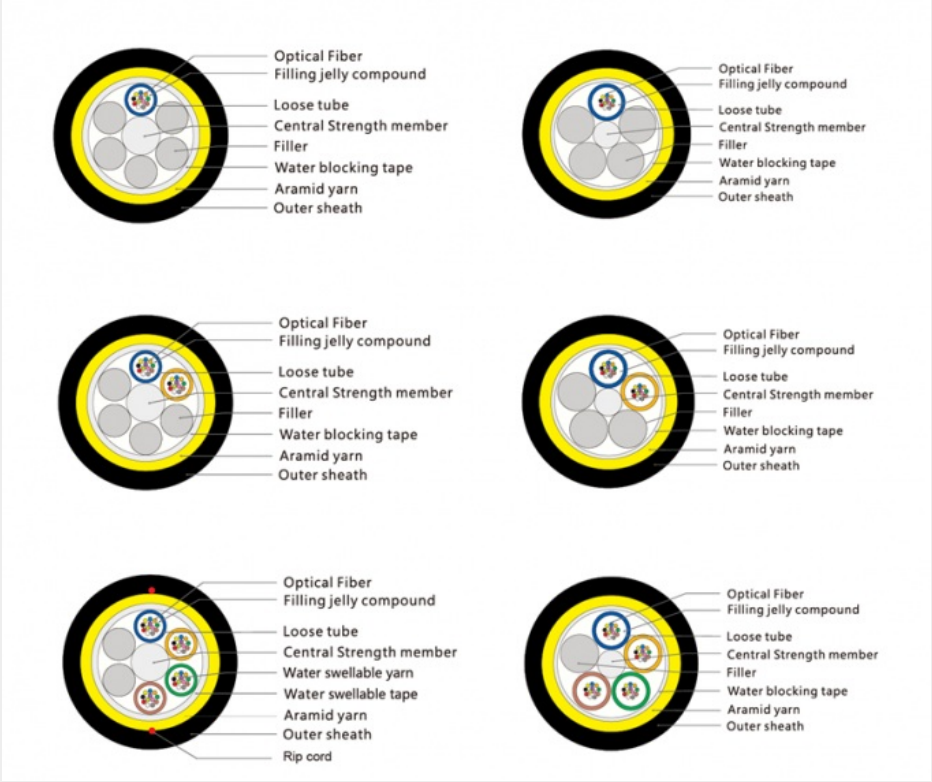
Product Specifications

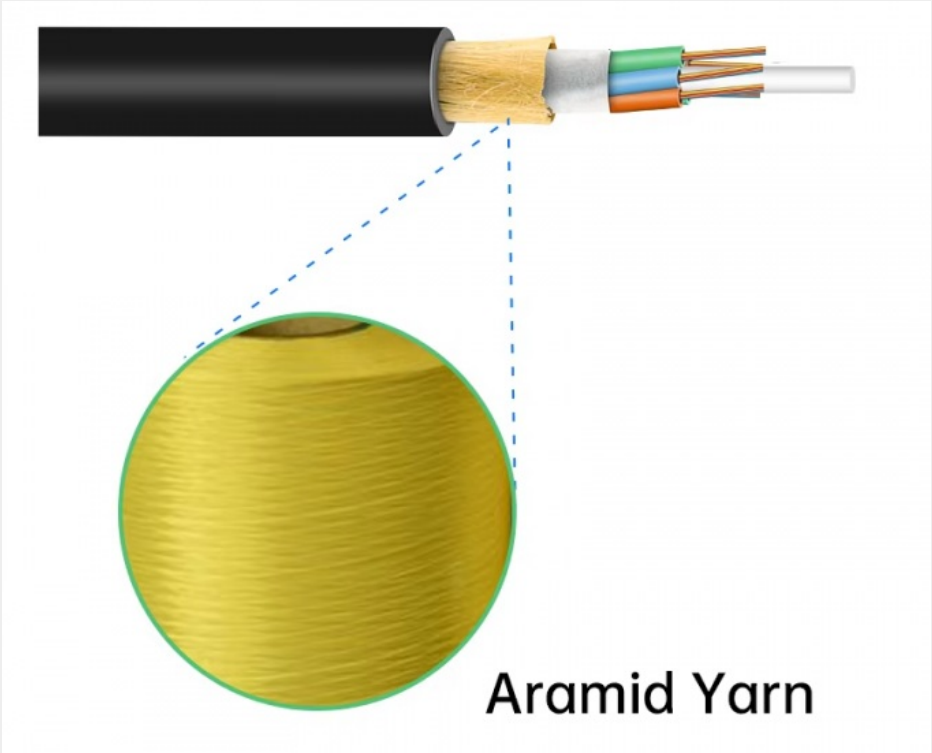
Attribute	Value
Fiber Type	G.652D
Metal	No metal
Function	Delivery signal light
Insertion Loss	≤0.30dB
Tube	Multi Loose Tube
Operating Temp	-20 ~+60
Installation	Aerial
Cable Diameter	10.0mm±0.5mm
Sheath	PE
Length	2/3/4km one drum
Span	100/120/200/300/400 Customized
Core Count	48 core

Product Description

All Dielectric 12 24 48 96 144 Core Single Mode G652D ADSS Outdoor Fiber Optic Cable

- Small diameter, light weight with spans up to 1500m, adding minimal load to towers
- Exceptional tensile strength exceeding 90KN
- Non-metallic structure provides excellent insulation and lightning protection
- Consistent performance across spans with reliable emergency response capabilities
- Superior resistance to gunshot damage and environmental erosion
- Designed for operation in extreme weather conditions
- Can operate without electrical interruption
- Loose tube design with non-metallic reinforcement for high flexibility in electric fields ≤25KV/m


Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Filler
Water blocking tape
Aramid yarn
Outer sheath
Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Filler
Water blocking tape
Aramid yarn
Outer sheath
Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Filler
Water blocking tape
Aramid yarn
Outer sheath
Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Filler
Water blocking tape
Aramid yarn
Outer sheath
Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Water swellable yarn
Water swellable tape
Aramid yarn
Outer sheath
Rip cord
Optical Fiber
Filling jelly compound
Loose tube
Central Strength member
Filler
Water blocking tape
Aramid yarn
Outer sheath



Key Features

- High tensile strength construction
- All dielectric structure with semi-dry core design
- Compact diameter and lightweight
- 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
1	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
9	Attenuation(max.) (1550nm)	dB/km	≤0.21
9	Attenuation(max.) (1380nm)	dB/km	≤0.35
9	Attenuation(max.) (1625nm)	dB/km	≤0.24
10	Attenuation and wavelength (1310nm 1285-1330nm)	dB/km	≤0.04
10	Attenuation and wavelength (1550nm 1525-1575nm)	dB/km	≤0.03
10	Attenuation and wavelength (1550nm 1480-1580nm)	dB/km	≤0.05
11	Dispersion (1288-1339nm)	ps/(nm.km)	≥-3.5, ≤3.5
11	Dispersion (1271-1360nm)	ps/(nm.km)	≥-5.3, ≤5.3
11	Dispersion (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)	dB	≤0.01

Cable Marking & Fiber Colors

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

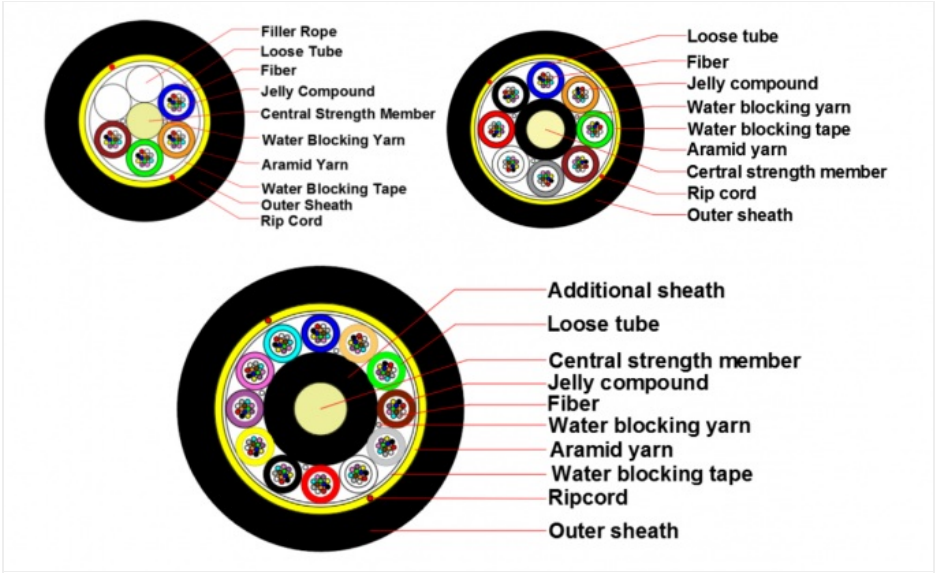
**The marking is printed every 1 meter*

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

Custom marking available according to client requirements

ADSS Cable Types

Single Sheath ADSS Cable



Construction: Features a single outer jacket layer

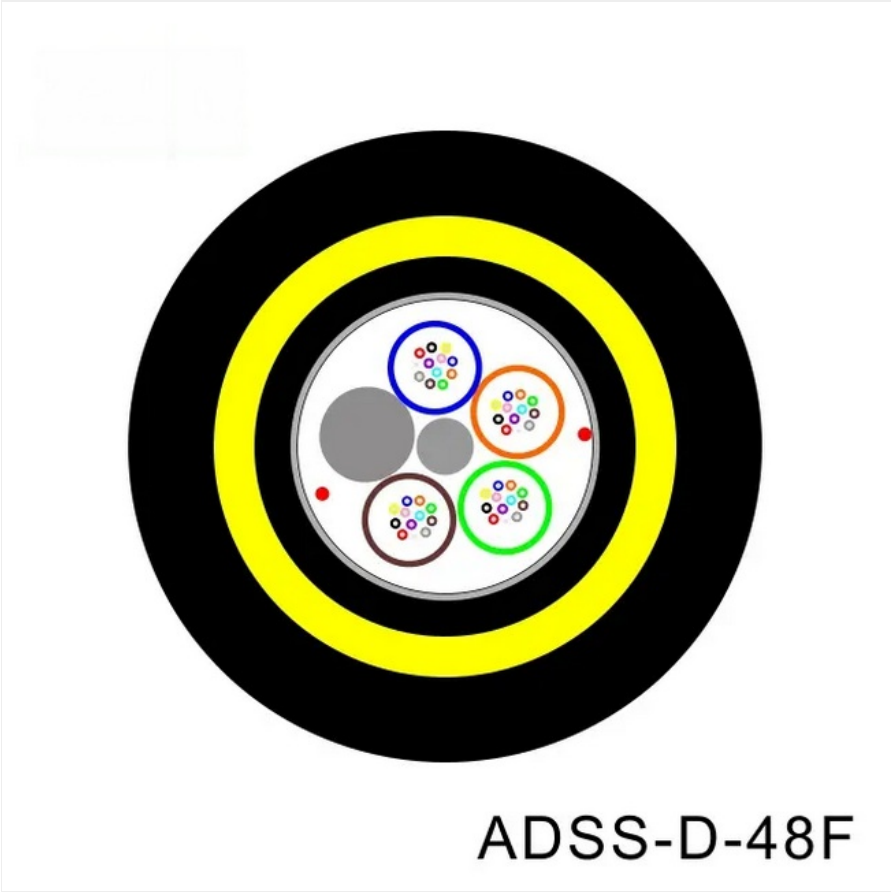
Weight: Lighter than double sheath variants

Applications: Ideal for lower risk environments where cable weight is critical

Cost: More economical due to reduced material usage

Protection: Effective against UV rays, moisture, and minor abrasions

Double Sheath ADSS Cable



Construction: Dual-layer sheathing (inner and outer jacket)

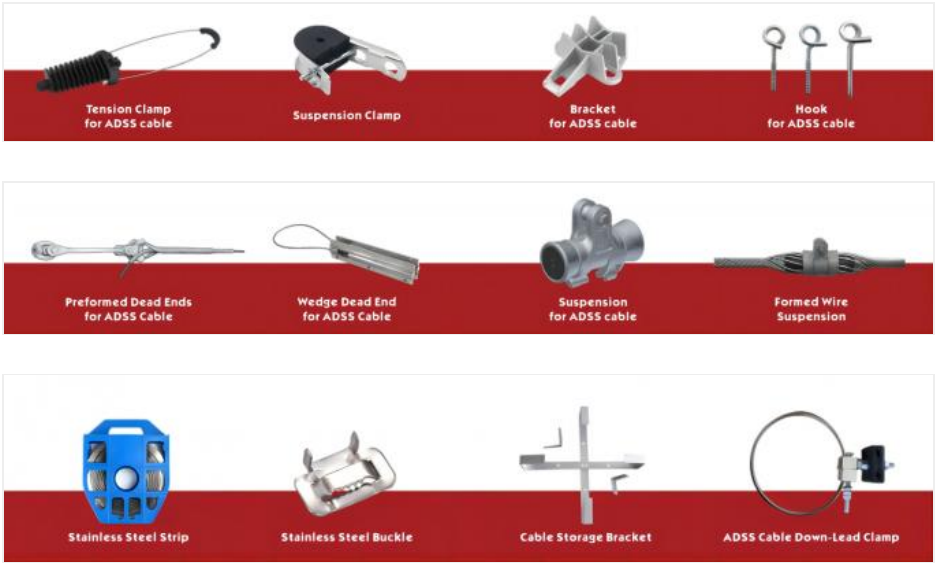
Protection: Enhanced mechanical protection for harsh environments

Durability: Superior resistance to abrasion, rodents, and physical damage

Weight: Heavier than single sheath cables

Applications: Recommended for areas with mechanical stress or severe weather

Optical Fiber Hardware for ADSS Cables



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 product specifications, packaging, and other requirements

Sign the contract or Proforma Invoice

After receiving your deposit, we will begin production

We will notify you 2 weeks before production completion to arrange shipping

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