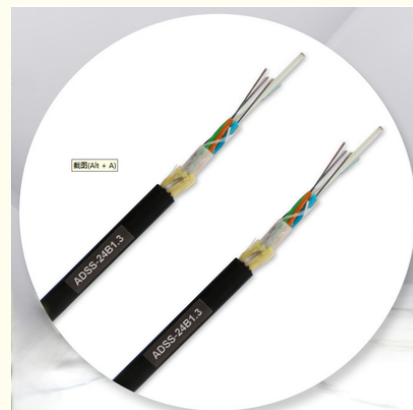




## ADSS Fiber Optic Cable 6-144 Cores Single Mode Aerial Installation

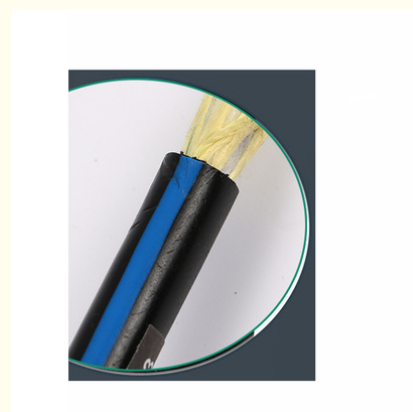
### Basic Information

- Place of Origin: GUANGZHOU/CHINA
- Brand Name: PUNAISGD/CABLEPULS
- Certification: ISO/CE/ROSH
- Model Number: ADSS-6b1.3-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-6b1.3-100m
- Fiber Type: Single Mode
- Fiber Count: 6/12/24/36/48/72/96/144
- Outer Sheath: Black PE
- Inner Sheath Material: PE/AT
- Installation Method: Aerial
- Strength Member Material: FRP/ARMID YARN
- Cable Diameter: 12.5mm
- Highlight: Outdoor Fiber Optic Cable,  
6 Cores Fiber Optic Cable,  
24 Cores Fiber Optic Cable



ADSS Fiber Optic Cable Outdoor Cable

Product Specifications

| Attribute                | Value                         |
|--------------------------|-------------------------------|
| Type                     | ADSS optical cable-6b1.3-100m |
| Fiber Type               | Single mode                   |
| Fiber Count              | 6/12/24/36/48/72/96/144       |
| Outer Sheath             | Black PE                      |
| Inner Sheath Material    | PE/AT                         |
| Installation Method      | Aerial                        |
| Strength Member Material | FRP/ARMID YARN                |
| Cable Diameter           | 12.5mm                        |

Key Selection Parameters

- Span: Distance between poles
- Sagging: Maximum deviation allowed from horizontal (affected by cable weight and climate)
- Climatic conditions: Wind and snow create additional traction forces

Cable Structure

- Colored or natural fiber or tight buffered fiber in the center
- 2 FRP or Steel wire or KFRP placed at sides as strength members
- 1 FRP or steel wire, or KFRP used as messenger wire
- LSZH, PVC or HDPE jacket
- Customizable vitta color



- Coated Optical Fiber
- Filling Gel
- PBT Loose Tube
- FRP Strengthen Member
- Filling Compound
- Filler
- Aramid yarn
- PE Outer Jacket

ADSS-SJ



- Optical Fiber
- Gel filling compound
- PBT Loose Tube
- FRP Strengthen Member
- Inner sheath
- Aramid yarn
- Outer Jacket

ADSS-DJ

| 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                       | $\lambda_{cc} \leq 1260$ |
| 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/(nm <sup>2</sup> ·km) | ≤0.092                   |
| 14  | Typical value                                   | ps/(nm <sup>2</sup> ·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                    |

## Key Benefits

Dielectric design eliminates need for metal support structures, reducing installation costs

Performs reliably near high-voltage power lines without electromagnetic interference

Superior weather resistance and tensile strength for harsh environments

Long-term performance in coastal areas and high altitudes



## Applications





## Optical Fiber Hardware



## Ordering Process

Send purchase intention to: [cotton@fibercablepuls.com](mailto:cotton@fibercablepuls.com)

Our sales team will confirm product specifications and requirements

Sign contract or Proforma Invoice

Production begins after deposit receipt

Shipping arrangements made 2 weeks before completion



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