

Optical Fiber CABLE

TECHNICAL DATA SHEET

Outdoor Non-Metallic Mini ADSS Drop Cable FTTH FTTX Distribution Optical Cable

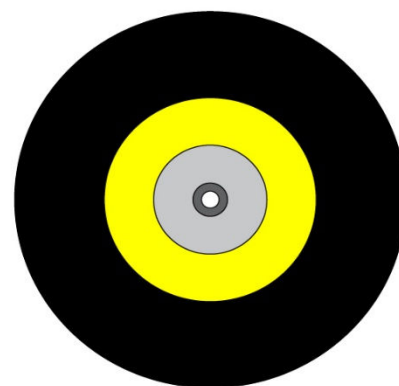


Outdoor Non-Metallic Mini ADSS Drop Cable FTTH **FTTx Distribution Optical Cable**

Product Description:

The Outdoor Non-Metallic Mini ADSS Drop Cable is a compact, lightweight, self-supporting optical fiber cable designed for FTTH and FTTx distribution networks.

The cable features a non-metallic construction, making it suitable for outdoor aerial installations where electrical isolation and lightweight construction are required. Its compact design provides convenient installation and handling in access and distribution networks.



Features

- Outdoor Mini ADSS design
- Non-metallic construction
- Self-supporting aerial installation
- Compact and lightweight structure
- Suitable for FTTH/FTTx distribution networks
- Good mechanical protection
- UV-resistant outdoor sheath
- Suitable for aerial drop applications

- Easy handling and installation
- Available in different fiber counts according to requirements

Cable Fiber Specifications

Item	Specification
Fiber Count	1 Fiber
Fiber Type	G.657.A2
Fiber Color	Blue
Tight Buffer Color	Blue
Tight Buffer Material	LSZH
Strength Member	Aramid Yarn
Sheath Material	FRTPU / FRPUR, Anti-UV
Sheath Color	Black
Cable Diameter	3.0 ± 0.15 mm
Cable Weight	9.0 kg/km $\pm 10\%$

Cable Construction

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Features:

1. Good mechanical and temperature performance
2. High-strength loose tube that is hydrolysis-resistant
3. Spiral Tube strength members ensure tensile strength
4. Crush resistance and flexibility

Applications:

1. All types of fiber cables with different structures
2. High-performance optical network operating
3. High-speed optical routes in buildings (FTTX)

Outdoor Non-Metallic Mini ADSS Drop Cable FTTH FTTX Distribution Optical Cable Fiber Attenuation:

Parameter	G.652D	G.657A1	G.657A2	G.657B3
Wavelength	1310 / 1550 nm	1310 / 1550 nm	1310 / 1550 nm	1310 / 1550 nm
Attenuation – Typical (dB/km)	0.35 / 0.21	0.35 / 0.21	0.35 / 0.21	0.35 / 0.21
Attenuation – Maximum (dB/km)	0.40 / 0.30	0.40 / 0.30	0.40 / 0.30	0.40 / 0.30
Zero Dispersion Slope	≤ 0.091 ps/(km·nm ²)	≤ 0.092 ps/(km·nm ²)	≤ 0.092 ps/(km·nm ²)	≤ 0.092 ps/(km·nm ²)
Dispersion (1285–1340 nm)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)

Mode Field Diameter @1310 nm	$9.1 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.6 \pm 0.4 \mu\text{m}$
Cable Cutoff Wavelength	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$
Minimum Bend Radius	16 mm	10 mm	7.5 mm	5 mm
Cladding Diameter	$125 \pm 1.0 \mu\text{m}$	$125 \pm 1.0 \mu\text{m}$	$125 \pm 1.0 \mu\text{m}$	$125 \pm 1.0 \mu\text{m}$