

## 2 Core 4 Core Self-supporting Aerial Figure 8 Fiber Optic Drop Cable

### Introduction:

Most of the fiber optical drop cables are single-core and double-core structures, and can also be made into a four-core structure. The cross-section is an 8-shaped cross-section. The reinforcement is located at the center of the two circles. The metal or non-metallic structure can be used. The optical fiber is located at the geometric center of the 8-shaped geometry. Small bending radius optical fiber G.657 is used for the optical fiber in the sheathed cable, which can be laid with a bending radius of 20mm, which is suitable for entering the house in the building by means of pipes or bum lines.



### Features:

- 1,Special bending-resistant optical fiber, providing greater bandwidth and enhancing network transmission performance;
- 2,Two parallel FRP or metal reinforcements make the optical cable have good pressure resistance and protect the optical fiber;
- 3,The optical cable has simple structure, light weight and strong practicability;
- 4,Unique groove design, easy to peel, easy to connect, simplify installation and maintenance;
- 5,Low-smoke halogen-free flame-retardant polyethylene sheath or flame-retardant PVC sheath, environmental protection.
- 6,It can be matched with a variety of on-site connectors and can be completed on-site.
- 7,Soft and bendable, easy to deploy and maintenance;
- 8,Smaller diameter, Light weight, and high practicability;

### Applications:

- 1,Used for indoor wiring, directly used by end users;
- 2,Used for building optical fiber cables;
- 3,For indoor wiring of users in FTTH;
- 4,Used as access building cable in premises distribution system;

### Fiber Parameters:

No.	Items	Unit	Specification
-----	-------	------	---------------

				<b>G.657A1</b>
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
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 <sub>cc</sub> ≤1260
9	Attenuation (max.)	1310nm	dB/km	≤0.35
		1550nm	dB/km	≤0.21
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius@1625nm	dB	≤1.5

**Cable Parameters:**

Items		Specifications
Fiber Count		4
Colored Coating Fiber	Dimension	250±15μm
	Color	Blue, Orange, Green, Brown
Strength Member	Dimension	0.5mm
	Material	FRP
Self-Supporting Member	Dimension	1.0mm
	Material	Steel Wire
Jacket	Dimension	5.2±0.2mm×2.0±0.1mm
	Material	LSZH
	Color	Black

Certifications:



CE

Type Test Report

Test Report No.	20190404 001	Order No.	8019016	Page 1 of 4
Client	OPTICO COMMUNICATION CO., LIMITED No. 3, Bldg. 1, Changping Industrial Park, Changping Community, Guangping Town, B. D. Zone, Shenzhen, China			
Manufacturer and manufacturing plant	OPTICO COMMUNICATION CO., LIMITED No. 3, Bldg. 1, Changping Industrial Park, Changping Community, Guangping Town, B. D. Zone, Shenzhen, China			
Manufacturer	OPTICO COMMUNICATION CO., LIMITED No. 3, Bldg. 1, Changping Industrial Park, Changping Community, Guangping Town, B. D. Zone, Shenzhen, China			
Model No.	OPTICO-FC-01	Order No.	8019016	
Testing location	ICTI Shenzhen Laboratory Co., Limited Testing (Shenzhen) Laboratory No. 1111, Shenzhen, Ward of Aibao, Guangping			
Test application	EN 55022, EN 55024, EN 61010-1, EN 61010-2-1, EN 61010-2-2, EN 61010-2-3, EN 61010-2-4, EN 61010-2-5, EN 61010-2-6, EN 61010-2-7, EN 61010-2-8, EN 61010-2-9, EN 61010-2-10, EN 61010-2-11, EN 61010-2-12, EN 61010-2-13, EN 61010-2-14, EN 61010-2-15, EN 61010-2-16, EN 61010-2-17, EN 61010-2-18, EN 61010-2-19, EN 61010-2-20, EN 61010-2-21, EN 61010-2-22, EN 61010-2-23, EN 61010-2-24, EN 61010-2-25, EN 61010-2-26, EN 61010-2-27, EN 61010-2-28, EN 61010-2-29, EN 61010-2-30, EN 61010-2-31, EN 61010-2-32, EN 61010-2-33, EN 61010-2-34, EN 61010-2-35, EN 61010-2-36, EN 61010-2-37, EN 61010-2-38, EN 61010-2-39, EN 61010-2-40, EN 61010-2-41, EN 61010-2-42, EN 61010-2-43, EN 61010-2-44, EN 61010-2-45, EN 61010-2-46, EN 61010-2-47, EN 61010-2-48, EN 61010-2-49, EN 61010-2-50, EN 61010-2-51, EN 61010-2-52, EN 61010-2-53, EN 61010-2-54, EN 61010-2-55, EN 61010-2-56, EN 61010-2-57, EN 61010-2-58, EN 61010-2-59, EN 61010-2-60, EN 61010-2-61, EN 61010-2-62, EN 61010-2-63, EN 61010-2-64, EN 61010-2-65, EN 61010-2-66, EN 61010-2-67, EN 61010-2-68, EN 61010-2-69, EN 61010-2-70, EN 61010-2-71, EN 61010-2-72, EN 61010-2-73, EN 61010-2-74, EN 61010-2-75, EN 61010-2-76, EN 61010-2-77, EN 61010-2-78, EN 61010-2-79, EN 61010-2-80, EN 61010-2-81, EN 61010-2-82, EN 61010-2-83, EN 61010-2-84, EN 61010-2-85, EN 61010-2-86, EN 61010-2-87, EN 61010-2-88, EN 61010-2-89, EN 61010-2-90, EN 61010-2-91, EN 61010-2-92, EN 61010-2-93, EN 61010-2-94, EN 61010-2-95, EN 61010-2-96, EN 61010-2-97, EN 61010-2-98, EN 61010-2-99, EN 61010-2-100			

CPR



ISO



RoHS

Factory Workshop:



