

## OptiTap SC APC Toneable Flat Drop Cable 9/125 G.657.A1 PE Jacket

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: RoHS, CE, ISO9001, VDE, CCC
- Model Number: OTXX-SM0149EBK
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: PE bag or OEM service optional
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



### Product Specification

- Name: Flat Drop Cable
- Connector Type: OptiTap SC
- Polish Type: APC
- Fiber Grade: G657A1
- Fiber Count: Simplex
- Cable (OD): 4.5\*9.8mm
- Cable Jacket: PE
- Jacket Color: Black
- Application: Outdoor Or FTTA
- Highlight: **Flat Drop Cable PE Jacket, Toneable Flat Drop Cable, Toneable Cable**



## Product Description

### Outdoor OptiTap SC APC Toneable Flat Drop Cable 9/125 G.657.A1 PE Jacket

The Outdoor OptiTap SC APC Toneable Flat Drop Cable is an outdoor fiber optic cable designed specifically for Fiber to the Home (FTTH) or Fiber to the Antenna (FTTA) applications. This cable design is intended for use with OptiTap SC APC fiber optic connectors, providing a robust and sealed connection solution. It typically uses single-mode fiber (such as G.652. D or G.657. A1), suitable for long-distance and high-speed data transmission. Flat cable design helps reduce installation space and facilitates deployment in confined spaces. The cable has waterproof function and is suitable for use in damp or rainy environments, usually with IP67 or higher waterproof performance.

#### Features

1. Fiber Cable: OS2 Single Mode GYFJH, 4.5\*9.8mm, 1 Cores, PE Jacket, Black
2. Open bulkhead for easier access to SFP
3. Positive mechanical feedback to the operator when fully mated
4. Robust bayonet locking for easy, fast, and secure mating
5. Available for single mode and multimode
6. Waterproof, dustproof and corrosion-resistant
7. Protection level: IP67
8. Tensile data: Between junction and fiber cable  $\geq 180N$
9. Outer shell inflaming retarding: UL 94V-0
10. RoHS compliant

#### Application

1. Indoor and Outdoor applications
2. Outdoor & Military communication equipment connection.
3. Oil field, mine communication connection.
4. Far transmission wireless base station.
5. Optical fiber sensor.
6. Video surveillance system.
7. Railway signal control.

#### Fiber Parameters

No.	Items	Unit	Value
1	Core Diameter	um	9/125: G652D, G657A1, G657A2 62.5/125: OM1: 62.5 50/125: OM2, OM3, OM4, OM5
2	Cladding Diameter	um	125 $\pm$ 10
3	Core Non-Circularity	%	$\leq 6.0$
4	Cladding Non-Circularity	%	$\leq 2.0$
5	Core-Cladding Concentricity	um	$\leq 1.0$
6	Coating Diameter	um	245 $\pm$ 10
7	Cladding-Coating Concentricity	um	$\leq 12.5$
8	Attenuation (Max.)	850nm	dB/km
		1300nm	dB/km
		1310nm	dB/km
		1550nm	dB/km

#### Cable Parameters

Items		Value
Fiber Count		2 or 4
Buffer	Diameter	0.85mm $\pm$ 0.05mm
	Material	LSZH
Simpelx Cable	Diameter	2.0mm $\pm$ 0.1mm
	Material	LSZH
Filler	Diameter	2.0mm $\pm$ 0.1mm
	Material	LSZH
Strength Member		Kevlar
Jacket	Material	LSZH
	Color	Black
Cable Weight	Approx.	47kg/km

#### Characteristics Mechanical and Environmental

Items	Unite	Value
Tensile (Long Term)	N	200
Tensile (Short Term)	N	400
Crush( Long Term)	N/10cm	1100
Crush (Short Term)	N/10cm	2200
Bend Radius (Dynamic)	mm	20D
Bend Radius (Static)	mm	10D
Installation temperature	°C	-20~+60
Operation temperature	°C	-30~+70
Storage temperature	°C	-30~+70

#### Specification

End face type	UPC
Fiber type	G657A1
Cable Diameter	5.0mm
Insertion loss	$\leq 0.3$ dB
Return loss	$\geq 50$ dB
Attenuation at 1310nm	0.36 dB/km

Attenuation at 1550nm	0.22 dB/km
Tensile Strength	200/400N (Long/Short Term)
Crush Resistance	1100/2200N (Long/Short Term)
Working Temperature	-40 ~ +70°C
Storage Temperature	-40 ~ +70°C
Operating Temperature	-10 ~ +50°C
Length	Customized



## FAQ

Q1: What is the warranty of FiberMania's fiber patch cord?

A: FiberMania warrants that all fiber patch cords supplied are free from defects in material and workmanship for a period of five (5) years from the date of supply. All fiber optic bulk cables are UL profiled and every single cable is 100% tested.

Q2: Is it possible to customize our brand information on your fiber cable?

A: Yes, we can print your brand name onto our cable jacket and 1KM total cable length is requested.

Q3: Can you do 3D interferometer test?

A: Yes, we do the 3D test per our customer's request, we can have the pass rate over 90% and even 100% if necessary.

Q4: What is your MOQ of your products?

A: We only have MOQ for some special customized cable order, we request 1km as the total length of the bulk cable, you may consider stock the bulk cable with us for your urgent order production.

Q5: Are free samples available from you?

A: Yes, we are always happy to offer the free samples for all of our customers' projects provided that the total cost is under 50 US dollars.

Q6: Do you accept OEM and ODM orders?

A: Absolutely yes, we have been doing OEM services since we start in this business, and for every single label, printing, bag and carton design, we always treat it seriously and do it nicely. Our engineers can help you with your current design and even can open the new tooling for your specific project.



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