



FIBERMANIA

Shenzhen FiberMania Technology Co., Ltd.
optical-fibercables.com

Optitap Cable OptiTap SC APC to SC APC Toneable Drop Cable 9/125 G.657.A1

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: OTSA-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

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



Product Description

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

Outdoor OptiTap SC APC to SC APC Toneable Drop Cable is a flat patch cable designed specifically for outdoor environments. This cable uses Corning OptiTap technology to provide high-performance optical transmission performance, suitable for high-speed data transmission and long-distance communication. This cable has adjustable function, which facilitates the use of testing instruments for positioning during fiber optic line maintenance and troubleshooting, improving maintenance efficiency. The SC APC connector used for the connector has an 8-degree angled inclined end face and is specially ground to reduce reflection, improve signal transmission quality and stability. This type of cable is widely used in various communication systems due to its high performance and stability, providing reliable communication services and meeting the needs of different scenarios.

Features

1. Fiber Cable: OS2 Single Mode GYFJH, 4.5*9.8mm, 1 Cores, TPU 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

Test 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±10
3	Core Non-Circularity		%	≤6.0
4	Cladding Non-Circularity		%	≤2.0
5	Core-Cladding Concentricity		um	≤1.0
6	Coating Diameter		um	245±10
7	Cladding-Coating Concentricity		um	≤12.5
8	Attenuation (Max.)	850nm	dB/km	3.0
		1300nm	dB/km	1.0
		1310nm	dB/km	0.35
		1550nm	dB/km	0.22

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	≤ 0.3 dB
Return loss	≥ 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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