



FIBERMANIA

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

IP68 Waterproof OptiTap To SC Adapter Quick Installation Black 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: OTA-SCA
- 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: OptiTap To SC Adapter
- Connector Type: OptiTap To SC
- Polish Type: UPC To UPC
- Fiber Grade: G657A1
- Fiber Count: Simplex
- Cable (OD): 4.8mm
- Cable Jacket: LSZH
- Jacket Color: Black
- Application: Outdoor Or FTTH
- Highlight: **IP68 OptiTap To SC Adapter, Waterproof OptiTap To SC Adapter, OptiTap To SC Adapter Quick Installation**



Product Description

OptiTap Compatible SC Hardened Adapter

OptiTap Compatible SC Hardened Adapter is a fiber optic connector primarily used in fiber optic communication systems. This adapter is compatible with OptiTap fiber optic systems and is typically connected to SC (subscriber connector) interfaces. The adapter has an IP68 waterproof rating, which means it is dust-proof and prevents water intrusion, and can continue to work even at a depth of 1 meter. This adapter has a black protective cover or shell to protect the connector and provide additional durability, and complies with UL94-V0 flame retardant standards, making it suitable for applications that require fire safety. FiberMania's OptiTap SC adapter provides quick installation solutions, it has good performance on mating with H-connector and is compatible with Corning OptiTap-SC.

Parameters

1. Adapter type: OptiTap-SC
2. Fiber counts: Simplex
3. Insertion loss: ≤ 0.3 dB typically
4. Working temperature: $-25 \sim +70^{\circ}\text{C}$
5. Protection level: IP68
6. Outer shell inflaming retarding: UL 94V-0
7. RoHS compliant

Features

1. IP68 waterproof, dustproof, and corrosion-resistant
2. Provides moisture and dust protection for use in harsh industrial environments
3. Drastically reduces field splicing with a predetermined loss at each waterproof tether access point
4. Low insertion loss and high return loss, ensuring the quality and reliability of signal transmission
5. Installed without the need for special tools, simplifying the installation process

Application

1. FTTH
2. Indoor and Outdoor applications
3. Outdoor & Military communication equipment connection.

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

Cable Parameters

Items		Value
Fiber Count		2 or 4
Buffer	Diameter	0.85mm \pm 0.05mm
	Material	LSZH
Simplex 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	$^{\circ}\text{C}$	$-20 \sim +60$
Operation temperature	$^{\circ}\text{C}$	$-30 \sim +70$
Storage temperature	$^{\circ}\text{C}$	$-30 \sim +70$

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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