

FTTA OptiTap MPO To LC UPC 12 Cores Outdoor Waterproof Cable G.657.A1 LSZH 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: OTMPLC-SM124LBK
- 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 MPO To LC
- Polish Type: UPC To UPC
- Fiber Grade: G657A1
- Fiber Count: 12 Cores
- Cable (OD): 4.8mm
- Cable Jacket: LSZH
- Jacket Color: Black
- Application: Outdoor Or FTTA
- Name: FTTA Solutions
- Highlight: **MPO To LC UPC Outdoor Waterproof Cable ,
12 Cores Outdoor Waterproof Cable ,
Outdoor Waterproof Cable 9/125**



More Images



Product Description

FTTA OptiTap MPO to LC UPC 12 Cores Outdoor Waterproof Cable 9/125 G.657.A1 LSZH Jacket

FTTA OptiTap MPO to LC UPC 12 Cores Outdoor Waterproof Cable 9/125 G.657.A1 LSZH Jacket provides quick installation solutions and has good performance mating with H receptacle, it can be compatible with all the similar products in market, compatible with Corning OptiTap connector. The industrial panel-mount, plastic adapters serve as a sealed feed-through for the fiber connection.

Fiber-to-the-antenna (FTTA) is a wireless site architecture where optical fiber is run all the way up the tower to replace those traditionally completed with heavier coax cabling. Important components such as remote radio units (RRUs) are also positioned at the top of the tower instead of that at the base location. FTTA solutions provide cable connectivity and electrical protection for remote radio head (RRH) equipment placed on cellular towers, rooftops, and other structures.

Our cable connectivity is mainly about FTTA patch cord which in our selection consists of two single mode fibers. At one end fibers are terminated to IP series waterproof connectors and at the other end are regular connectors compatible with RRU interface such as LC duplex. We can either provide factory assembled patch cables, or we can offer you connectors for your site's fast installation, we carry IP series, ODVA, OptiTap, H connector, ODC, RDC, AARC, FullAXS, RFE, IP-FX, Mini-SC, PDLC, NSN, and other field tactical connector types.

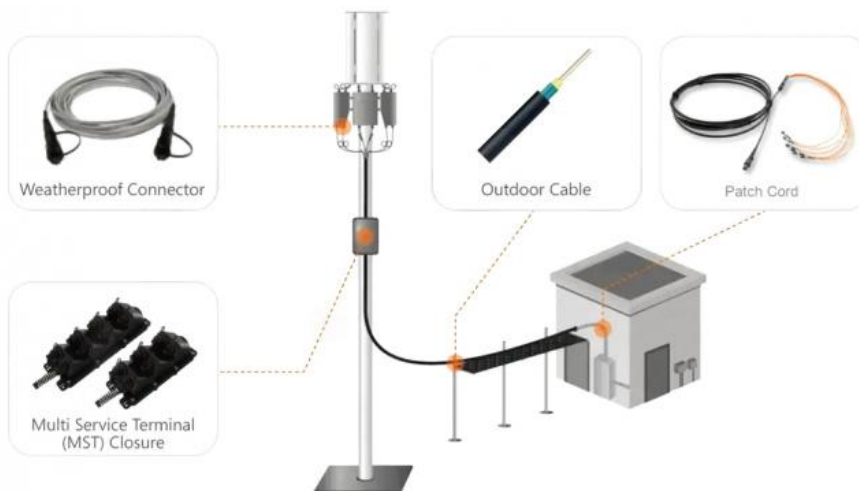
Features of FTTA OptiTap MPO to LC UPC Outdoor Waterproof Cable

1. G657A1 (Bend-insensitive single-mode fiber)
2. Low bending losses, ideal for tight installations.
3. MPO on one end High-density multi-fiber connector
4. Outdoor-rated waterproof design
5. LSZH flame-retardant, non-toxic, suitable for outdoor/industrial use.
6. Low insertion loss and high return loss

Application of OptiTap MPO to LC UPC Outdoor Waterproof Cable

1. FTTH (Fiber-to-the-Home) networks – Outdoor distribution.
2. Data centers – High-density MPO trunk to LC breakout.
3. 5G infrastructure – Waterproof and ruggedized for outdoor use.
4. Industrial networks – Harsh environments requiring LSZH protection.





Fiber Parameters

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±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±0.05mm
	Material	LSZH
Simpelx Cable	Diameter	2.0mm±0.1mm
	Material	LSZH
Filler	Diameter	2.0mm±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	≥50dB
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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