

FPM DLC to ODC Socket Waterproof Fiber Optic Patch Cord 2 Cores 9/125 OS2 TPU Jacket 4.8mm

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: FPMOS-SM024TBK
- 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: Waterproof Patch Cord
- Connector Type: FPM DLC To ODC Socket
- Polish Type: UPC To UPC
- Fiber Grade: Corning G.657.A1
- Fiber Count: Duplex
- Cable (OD): 4.8mm
- Cable Breakout (OD): 2.0mm
- Breakout Length: 300mm
- Cable Jacket: TPU
- Highlight: 9/125 Fiber Optic Patch Cord,
OS2 Fiber Optic Patch Cord,
2 Cores Fiber Optic Patch Cord



More Images



Product Description

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FPMDLC to ODC Socket Waterproof Fiber Optic Patch Cord 2 Cores 9/125 OS2 TPU Jacket 4.8mm is a specific type of fiber optic cable used for high-performance networking applications. FPMDLC refers to a type of fiber optic connector with a specific design, likely a type of DLC. ODC Socket refers to a connector standard used for optical fiber communication, often used in outdoor or harsh environments. This patch cord is designed to resist water penetration, making it suitable for use in wet or outdoor environments. and it is typically used in fiber optic installations, especially in situations requiring waterproof capabilities and robust environmental protection.

Features of optical patch cord

1. Fiber Cable: OS2 Single Mode GYFJH, 4.8mm, 2 Cores, TPU Jacket, Black
2. Positive mechanical feedback to the operator when fully mated
3. Available for single and multimode
4. Waterproof & Weatherproof
5. High Performance and Durability
6. Outer shell inflaming retarding: UL 94V-0
7. RoHS compliant

Application of optical patch cord

1. Outdoor Fiber Networks
2. Industrial Environments
3. Military/Defense
4. 5G Infrastructure

Fiber Parameters of optical patch cord

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	Unit	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	4.8mm
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
Protection level	IP67
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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