

## Socket to UPC 2 Cores OS2 Outdoor G657A1 TPU Jacket Patch Cord Cable Breakout OD 2.0mm for Durable Fiber Optic Connection

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: RSLC-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

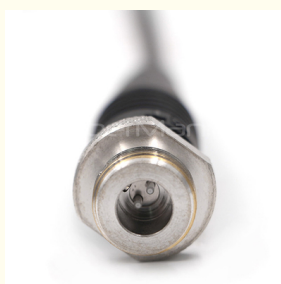


### Product Specification

- Name: Waterproof Patch Cord
- Connector Type: RDC To LC
- Polish Type: Socket 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: **2 Cores Outdoor Patch Cord Cable, UPC Outdoor Patch Cord Cable, OS2 Outdoor Patch Cord Cable**



### More Images



## Product Description

### RDC Socket to LC/UPC 2 Cores OS2 Outdoor G657A1 TPU Jacket Patch Cord

RDC Socket is a miniaturized, high-density fiber optic connector interface primarily used for fiber distribution and terminal access in FTTH (Fiber to the Home) networks. It is the socket end of Rocket Drop Connector (RDC), typically used to adapt RDC plugs and provide fast and reliable fiber optic connections. RDC Socket to LC/UPC 2 Cores OS2 Outdoor G657A1 TPU Jacket Patch Cord is a specialized fiber optic patch cable designed for outdoor use, which ensures reliable, high-performance connectivity in outdoor fiber optic networks while maintaining flexibility and durability.

#### Features of outdoor fiber optic cable

1. Compact design, compact size, suitable for high-density wiring
2. Quick plug and play, with a simpler structure, suitable for quick on-site installation.
3. Low insertion loss, typically insertion loss  $\leq 0.3$  dB
4. Suitable for outdoor/indoor use, partially suitable for outdoor fiber optic cable terminals
5. Compatibility, can be paired with RDC plug for use

#### Application of outdoor fiber optic cable

1. FTTH (Fiber-to-the-Home) networks
2. Outdoor fiber distribution
3. Telecom and ISP deployments
4. Connecting ODFs (Optical Distribution Frames) to customer premises

#### Fiber Parameters of optical patch cord

List 1: 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	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	4.8mm
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

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.



**FIBERMANIA** Shenzhen FiberMania Technology Co., Ltd.



17704025189



sales@fiber-mania.com



optical-fibercables.com

3F, Building A2, Yinlong Industrial Park, Longdong, Longgang District, Shenzhen, China, 518116