

Polish Type RDC Plug to LC/UPC 2 Cores 9/125 OS2 G657A1 TPU Jacket Patch Cord with 4.8mm Cable OD

Our Product Introduction

for more products please visit us on optical-fibercables.com

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: RoHS, CE, ISO9001, VDE, CCC
- Model Number: RPLC-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: Plug 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 Patch Cord, OS2 G657A1 Patch Cord, LC/UPC Patch Cord



More Images



Product Description

RDC Plug to LC/UPC 2 Cores 9/125 OS2 G657A1 TPU Jacket Patch Cord

RDC Plug is a commonly used low-cost, high-density fiber optic connector in FTTH networks, mainly used for operator fiber distribution (such as splitters, terminal boxes). More compact than SC, suitable for high-density wiring. Its advantages lie in its small size, suitability for high-density installation and easy plugging and unplugging, suitability for rapid deployment, and low cost, making it suitable for large-scale FTTH applications.

Features of data fiber optic cable

1. RDC Plug compact design, suitable for high-density wiring
2. Standard duplex LC interface, compatible with optical modules, ODF distribution frames and other equipment.
3. UPC polishing ensures low return loss ($\geq 50\text{dB}$) and is suitable for single-mode transmission.
4. G. 657A1 anti bending fiber, insensitive to bending (minimum bending radius 7.5mm), suitable for wiring in narrow spaces.
5. TPU outdoor sheath, UV resistant, high and low temperature resistant, moisture-proof and dustproof, suitable for outdoor/indoor scenes.

Application of data 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

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
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	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	$\leq 0.3\text{ dB}$
Return loss	$\geq 50\text{dB}$
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



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