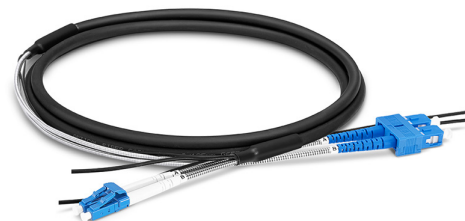


MapleArashi

Fiber Optic Cable Manufacturer

LC / LC Simplex OS2 FTTA Patch Cord

LC / SC Duplex OS2 FTTA Patch Cord



FTTA Outdoor Fiber Optic Patch Cord

FTTA Connection | Outdoor Cable Assembly | LC / LC | LC / SC | OS2

Connectorized Cable Assembly | FTTA / Base Station | RRU / AAU | Simplex / Duplex

FTTA outdoor fiber optic patch cords are connectorized cable assemblies designed for FTTA base station links, RRU / AAU connection, outdoor telecom cabinets, tower-side fiber links, and harsh-environment outdoor fiber connection applications.

Current product examples include LC/LC simplex OS2 and LC/SC duplex OS2 configurations. Connector type, cable diameter, fiber type, jacket material, waterproof protection level, optical performance, and assembly length are subject to confirmed product configuration and project requirements.

Product	FTTA Outdoor Fiber Optic Patch Cord
Model	LC/LC, LC/SC, simplex / duplex, and project-specified configurations
Category	Components & Accessories - FTTA Outdoor Patch Cords
Structure	Connectorized outdoor fiber optic cable assembly with cable jacket, connector ends, strain relief, and protective cap

This specification is for reference only. Connector type, cable diameter, fiber type, jacket material, cable length, and protection rating are subject to confirmed product configuration and project requirements.

1. Product Information

Field	Specification
Product	FTTA Outdoor Fiber Optic Patch Cord
Model	LC/LC, LC/SC, simplex / duplex, and project-specified configurations
Category	Components & Accessories - FTTA Outdoor Patch Cords
Structure	Connectorized outdoor fiber optic cable assembly with cable jacket, connector ends, strain relief, and protective caps
Connector Type	LC/LC, LC/SC, or project-specified connector combinations, subject to confirmed configuration
Fiber Type	OS2 single-mode shown in current product examples; subject to project requirements
Cable Construction	Simplex / duplex, subject to product configuration
Cable Diameter	7.0mm shown in confirmed LC/LC simplex example; other diameters subject to project requirements
Cable Length	Subject to project requirements
Protection Rating	Subject to confirmed product configuration
Application	FTTA / base station / RRU / AAU / outdoor cabinet / tower-side fiber connection

2. Company Profile

Maplearashi Technology, with 20 years of expertise in fiber optic communication, manufactures FTTA outdoor fiber optic patch cords in our facility located in the Guangdong-Hong Kong-Macao Greater Bay Area. These connectorized outdoor cable assemblies are designed for FTTA base station links, RRU / AAU connection, outdoor telecom cabinets, tower-side fiber links, and harsh-environment outdoor fiber connection applications. Connector type, cable diameter, cable length, and protection rating are subject to confirmed product configuration and project requirements. Compliance documents available upon request.

3. Product Overview

FTTA outdoor fiber optic patch cords are connectorized cable assemblies designed for FTTA base station links, RRU / AAU connection, outdoor telecom cabinets, tower-side fiber links, and harsh-environment outdoor fiber connection applications. Current product examples include LC/LC simplex OS2 and LC/SC duplex OS2 configurations. The cable assembly incorporates optical fiber within an outdoor-rated cable jacket, terminated with connectors on both ends, and equipped with strain relief boots and protective dust caps. Connector interface, cable diameter, fiber type, jacket material, waterproof protection level, and assembly length are subject to confirmed product configuration and project requirements.

4. Key Features

- Connectorized outdoor fiber optic cable assembly for FTTA and base station applications
- Current product examples include LC/LC simplex OS2 and LC/SC duplex OS2 configurations
- Single-mode OS2 fiber shown in current product examples; other fiber types subject to project requirements
- Simplex and duplex cable construction options, subject to product configuration
- Cable diameter, jacket material, and protection rating per project specifications
- Connector options: LC/LC, LC/SC, or project-specified connector combinations

5. Recommended Use

- FTTA base station fiber connection
- RRU / AAU / BBU equipment optical link
- Tower-side fiber connection
- Outdoor telecom cabinet fiber link
- Wireless access network outdoor fiber connection
- Base station remote radio unit connection

6. Installation Benefits

- Pre-terminated cable assembly reduces field termination time
- Connectorized ends provide plug-and-play installation
- Outdoor-rated cable jacket provides protection in outdoor environments
- Simplex and duplex options allow flexible deployment configurations

7. Technical Specifications

7.1. General Specifications

Layer	Component	Material / Function
Connector 1	LC/LC, LC/SC, or	project-specified connector combinations, subject to confirmed configuration
Fiber Type	OS2 single-mode	shown in current product examples; subject to project requirements
Cable Constr	Simplex / duplex,	subject to product configuration
Cable Diam	7.0mm shown in confirmed LC/LC simplex example;	other diameters subject to project requirements
Cable Len	Subject to project requirements	
Jacket Mat	Subject to confirmed product configuration	
Protection R	Subject to confirmed product configuration	
Optical Perform	Subject to connector type, polish type, cable assembly quality, and test conditions	
Operating Temp	Subject to cable jacket material and connector configuration	
RoHS Compl	Compliance documents available upon request	

Specifications are subject to connector type, cable configuration, jacket material, and project requirements. Confirm with project specifications.

8. Applications

- FTTA base station fiber connection between BBU and RRU
- RRU and AAU equipment optical link
- Tower-side fiber connection to ground equipment
- Outdoor telecom cabinet fiber interconnection
- Wireless access network outdoor fiber links
- Base station remote radio unit fiber patching
- Harsh-environment outdoor equipment fiber connection

9. Design Notes

- FTTA patch cord is a connectorized cable assembly with cable length and connectors, not a connector-alone product
- Different from FTTA outdoor waterproof connector, which is a connector or connector system without fixed cable length
- Connector interface, cable diameter, and cable length depend on project requirements
- Jacket material and waterproof protection rating depend on outdoor installation environment
- Do not confuse with ordinary indoor patch cords; FTTA patch cord is designed for outdoor FTTA applications

10. Outdoor Installation Notes

- Route cable with minimum bend radius per cable specifications
- Secure cable at both ends to prevent connector stress
- Use appropriate weatherproof sealing at cable entry points
- Verify connector mating and locking mechanism are secure
- Perform optical testing after installation to verify performance
- Protect unused connectors with dust caps

11. Handling & Cleaning Notes

- Keep dust caps on connectors when not in use
- Clean connector end faces using appropriate cleaning tools before mating
- Avoid exceeding cable minimum bend radius during handling and installation
- Do not pull on connector boots to move or position cable assembly
- Store cable assemblies in clean, dry environment before deployment

12. Configuration Options

FTTA outdoor fiber optic patch cords are available in the following configuration examples and options, subject to confirmed product range and project requirements:

Fiber Type	Description
LC / LC Simplex OS2	LC/LC single-fiber, simplex, OS2 single-mode, 7.0mm cable outer diameter
LC / SC Duplex OS2	LC/SC two-fiber, duplex, OS2 single-mode
Custom Configuration	Project-specified connector types, fiber count, cable diameter, jacket material, and cable length

13. Installation Guidance

- Select connector type and cable configuration matching project equipment interfaces
- Confirm cable length meets installation routing distance with appropriate slack
- Verify cable jacket material compatibility with outdoor environment
- Use proper routing and securing methods to protect cable assembly in outdoor conditions
- Test optical performance upon installation and record results for traceability

14. Product Comparison & Reference

FTTA Patch Cord vs FTTA Outdoor Waterproof Connector

Parameter	FTTA Patch Cord	FTTA Waterproof Connector
Product Type	Connectorized cable assembly	Connector or connector-system product
Cable Length	Included; subject to project requirements	Not necessarily included
Note	Ready-to-install cable link	Connector interface for field assembly

FTTA Patch Cord vs Fast Connector

Parameter	FTTA Patch Cord	Fast Connector
Function	Pre-terminated cable assembly	Field assembly connector for fiber termination
Cable Length	Included	No fixed cable length
Note	Factory or project-terminated cable link	Field-installed termination component

FTTA Patch Cord vs Adapter

Parameter	FTTA Patch Cord	Adapter
Function	Cable assembly with connectors	Passive connector-alignment component
Cable Length	Included	None
Note	Cable link product	Panel-mount alignment component

FTTA Patch Cord vs PLC Splitter / Attenuator

Parameter	FTTA Patch Cord	PLC Splitter / Attenuator
Function	Optical connection cable link	Optical power splitting or reduction
Note	Transmission link between equipment	Power division or reduction device

15. Customization Options

- Connector type and end-face configuration per project requirements
- Cable diameter, jacket material, and fiber count per installation environment
- Cable length per project routing distance
- Connector polish and fiber mode per application
- Protection rating per environmental requirements
- Packaging per project or shipping requirements

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