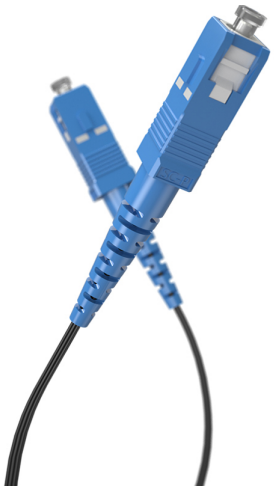
MapleArashi

Fiber Optic Cable Manufacturer

Pre-terminated Cable Assembly

Cable Structure Diagram



Pre-terminated Fiber Optic Cable Assembly

Factory-Terminated | Custom Length | Fast Deployment

Factory-Terminated | FTTH / FTTx | Project-Configured

Pre-terminated fiber optic cable assemblies are factory-terminated cable solutions designed to reduce field splicing and installation time in FTTH, FTTx, telecom rooms, data centers, outdoor cabinets, distribution boxes, and project fiber networks. Connector type, cable type, fiber count, cable length, jacket material, optical performance, labeling, packaging, and optional pulling protection are subject to confirmed product configuration and project requirements.

Product	Pre-terminated Fiber Optic Cable Assembly
Model	Project-specified connectorized cable assembly configurations
Category	Components & Accessories - Pre-terminated Cable Assemblies
Structure	Factory-terminated fiber optic cable assembly with cable jacket, connector ends, strain relief, protective caps, and p

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

1. Product Information

Field	Specification
Product	Pre-terminated Fiber Optic Cable Assembly
Model	Project-specified connectorized cable assembly configurations
Category	Components & Accessories - Pre-terminated Cable Assemblies
Structure	Factory-terminated fiber optic cable assembly with cable jacket, connector ends, strain relief, protective caps, and project-speci
Connector Type	SC / LC / FC / ST / MPO / hybrid options, subject to confirmed product range
Fiber Type	Single-mode / multimode, subject to project requirements
Cable Type	FTTH / FTTx / indoor / outdoor / project-specified cable, subject to confirmed configuration
Fiber Count	Subject to cable design and project requirements
Cable Length	Subject to project requirements
Application	FTTH / FTTx / telecom room / data center / outdoor cabinet / distribution box / fast deployment projects

2. Company Profile

Maplearashi Technology, with 20 years of expertise in fiber optic communication, manufactures pre-terminated fiber optic cable assemblies in our facility located in the Guangdong-Hong Kong-Macao Greater Bay Area. These factory-terminated cable assemblies are designed for faster deployment in FTTH, FTTx, telecom rooms, data centers, outdoor cabinets, distribution boxes, and project fiber networks. Connector type, cable type, fiber count, cable length, and jacket material are subject to confirmed product configuration and project requirements. Compliance documents available upon request.

3. Product Overview

Pre-terminated fiber optic cable assemblies are factory-terminated cable solutions designed to reduce field splicing and installation time in FTTH, FTTx, telecom rooms, data centers, outdoor cabinets, distribution boxes, and project fiber networks. The assembly incorporates optical fiber within a cable jacket, terminated with connectors at one or both ends per project specification, and equipped with boots, strain relief, and protective caps. Configurations may include various connector types, cable types, fiber counts, cable lengths, and optional pulling protection subject to project requirements. Final connector type, cable type, fiber count, cable length, jacket material, optical performance, and packaging are subject to confirmed product configuration and project requirements.

4. Key Features

- Factory-terminated cable assembly reduces field splicing and connectorization time
- Project-specified connector types, cable types, and fiber counts
- Available for FTTH, FTTx, indoor, and outdoor deployment scenarios
- Factory-tested optical performance before shipment
- Custom cable length per project routing requirements
- Optional pulling protection and labeling subject to project specification

5. Recommended Use

- FTTH and FTTx network fast deployment projects
- Data center fiber interconnection and link deployment
- Telecom room and ODF fiber link pre-installation
- Outdoor cabinet and distribution box connection cable routing
- Building backbone and riser fiber link installation
- Projects requiring reduced field splicing and faster deployment schedules

6. Technical Specifications

Layer	Component	Material / Function
Connector T	SC / LC / FC / ST / MPO / hybrid options, subject to confirmed product range	
Fiber Typ	Single-mode / multimode, subject to project requirements	
Cable Typ	FTTH / FTTx / indoor / outdoor / project-specified cable, subject to confirmed configuration	
Fiber Cou	Subject to cable design and project requirements	
Cable Len	Subject to project requirements	
Jacket Mat	Subject to confirmed product configuration	
Optical Perfor	Subject to connector type, fiber type, assembly quality, cable structure, and test conditions	
Optional Pulling F	Subject to confirmed product configuration	
Operating Temp	Subject to cable jacket material and connector configuration	
RoHS Compl	Compliance documents available upon request	

Specifications are subject to connector type, cable type, fiber count, cable length, and project requirements. Confirm with project specifications.

7. Applications

- FTTH and FTTx network fast deployment
- Data center fiber interconnection
- Telecom room and ODF fiber link deployment
- Outdoor cabinet to distribution box cable routing
- Building backbone and riser fiber installation
- Network upgrade and replacement projects requiring pre-installed cable links
- Project fiber networks where field splicing should be minimized

8. Installation Notes

- Route cable with minimum bend radius per cable specifications
- Use appropriate cable pulling method for cable type and installation environment
- Verify connectors are properly mated and latched after installation
- Perform optical testing after installation to verify link performance
- Store excess cable length with appropriate slack and protection

9. Handling & Cleaning Notes

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

10. Customization Options

- Connector type and end configuration per project specifications
- Cable type, fiber type, and fiber count per network design
- Cable diameter and jacket material per installation environment
- Cable length per project routing distance
- Optional pulling eye or pulling sock subject to confirmed configuration
- Labeling, test report, and packaging per project or shipping requirements

11. Product Comparison & Reference

Pre-terminated Cable Assembly vs Standard Patch Cord

Parameter	Pre-terminated Cable Assembly	Standard Patch Cord
Deployment Type	Project-configured factory-terminated assembly	General indoor patching cable
Cable Length	Per project routing requirements, may be longer	Standard / common lengths

Pre-terminated Cable Assembly vs FTTA Patch Cord

Parameter	Pre-terminated Cable Assembly	FTTA Patch Cord
Scope	Broad FTTH / FTTx / project deployment category	Outdoor FTTA / base station specific
Environment	May include indoor, outdoor, or project-specific	Outdoor / base station dedicated

Pre-terminated Cable Assembly vs Pigtail

Parameter	Pre-terminated Cable Assembly	Pigtail
End Configuration	Both ends connectorized or per project design	One connector end, one bare fiber end
Primary Use	Project cable link deployment	Fusion splicing termination

Pre-terminated Cable Assembly vs Fast Connector / Adapter

Parameter	Pre-terminated Cable Assembly	Fast Connector / Adapter
Function	Factory-terminated cable assembly with cable length	Field-installed component (Fast Connector) or passive alignment (Adapte

Pre-terminated Cable Assembly vs PLC Splitter / Attenuator

Parameter	Pre-terminated Cable Assembly	PLC Splitter / Attenuator
Function	Optical connection cable link for deployment	Optical power splitting (Splitter) or reduction (Attenuator)

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