

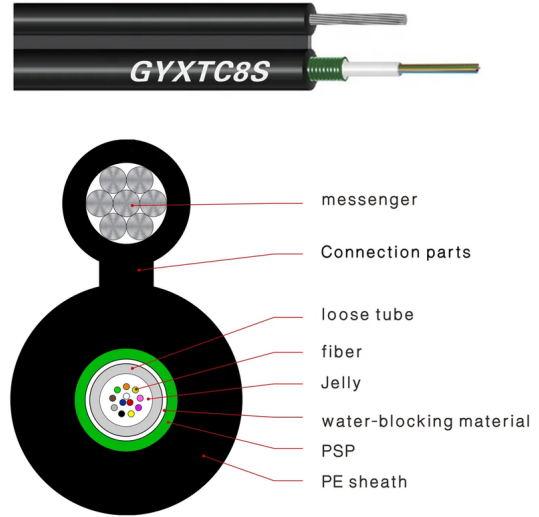
# Outdoor Fiber Optic Cable

# GYXTC8S

Figure-8 Self-Supporting Aerial | Central Loose Tube with PSP Protection



Product Photo



Cable Structure Diagram

<b>Product</b>	GYXTC8S Outdoor Fiber Optic Cable
<b>Model</b>	GYXTC8S
<b>Structure</b>	Figure-8 Self-Supporting   Central Loose Tube
<b>Messenger</b>	Metal messenger, subject to final cable design
<b>Protection</b>	PSP protection, subject to final cable design
<b>Sheath</b>	PE / subject to project requirements
<b>Category</b>	Outdoor Aerial Fiber Optic Cable — Figure-8
<b>Company</b>	Maplearashi
<b>Website</b>	www.maplearashi.com

Technical parameters are subject to the final cable design and project specifications. Contact Maplearashi for project-specific data.

## 1. Company Profile

Maplearashi is a fiber optic cable manufacturer based in Shenzhen, China, with production facilities in Dongguan. With two decades of experience in the optical communication industry, the company specializes in the development and production of outdoor fiber optic cables, FTTH drop cables, indoor cabling solutions, and passive optical components.

Website: [www.maplearashi.com](http://www.maplearashi.com)

Main Products: Outdoor Fiber Optic Cable, FTTH Drop Cable, Indoor Cable, Patch Cord, PLC Splitter, Distribution Box

Service: Cable manufacturing, OEM/ODM customization, project-specific sourcing support

*Compliance documentation can be provided upon request when required by the project specification.*

## 2. Product Overview

GYXTC8S is an outdoor figure-8 self-supporting fiber optic cable with a central loose tube cable core, integrated metal messenger section, and PSP protection. The figure-8 profile combines the messenger section and the cable core in one cable structure for aerial pole-to-pole installation. It is suitable for outdoor aerial access, feeder, and distribution routes where integrated messenger support and enhanced protection are required. Fiber count, messenger specification, sheath material, PSP structure, and mechanical performance should be confirmed according to final cable design and project requirements.

The figure-8 profile integrates the messenger section and cable core into a single cohesive assembly via a PE web connecting the two lobes. The central loose tube design provides a compact cable structure for aerial self-supporting deployment with PSP mechanical protection and water-blocking protection.

## 3. Cable Structure

Optical Fiber	G.652D / G.657 / custom per project
Central Loose Tube	Fiber protection in compact cable core
Tube Filling	Water-blocking compound or dry material, subject to design
Cable Core	Central loose tube cable core, subject to final cable design
PSP Protection	PSP layer for enhanced mechanical protection, subject to final cable design
Messenger Section	Metal messenger for aerial self-supporting installation
Outer Sheath	PE sheath, subject to project requirements
Figure-8 Web	PE web connecting cable core and messenger section

## 4. Key Features

- Figure-8 self-supporting design for outdoor aerial installation
- Central loose tube cable core for compact aerial cable construction
- Integrated metal messenger for pole-to-pole deployment
- PSP protection for enhanced mechanical protection, subject to final design
- Water-blocking design for outdoor moisture protection
- Suitable for aerial access, feeder, and distribution routes
- Fiber type, fiber count, sheath, messenger, marking, and drum length can be customized

## 5. Fiber Options

GYXTC8S can be manufactured with a range of fiber types. Fiber type and count should be selected based on the specific transmission requirements of the project.

Fiber Type	Description
G.652D	Standard single-mode fiber for access and feeder networks
G.657A1 / A2	Bend-insensitive single-mode fiber
OM1-OM4 (multimode)	Multimode fiber for short-reach links
Custom fiber	Available upon request

*Default fiber type and count depend on the required cable design. Contact Maplearashi for project-specific fiber configuration.*

## 6. Applications

- Outdoor aerial access routes
- Pole-to-pole self-supporting communication links
- FTTH feeder and distribution routes
- Rural broadband aerial deployment
- Access network aerial installation
- Campus and industrial aerial communication routes
- Areas where integrated messenger support and compact central tube design are preferred

*GYXTC8S is designed for outdoor aerial self-supporting installation with steel-tape armored core. It is not intended for direct-burial, indoor FTTH drop installation, or all-dielectric ADSS applications.*

## 7. Model Comparison

The following tables differentiate GYXTC8S from commonly compared outdoor cable models.

Aspect	GYXTC8S	GYTC8S
Cable Core	Central loose tube	Stranded loose tube
Structure	Figure-8	Figure-8
Protection	PSP protection	Steel tape armored
Typical Use	Aerial access / feeder	Aerial feeder / backbone
Aspect	GYXTC8S	GYFXTC8Y
Cable Core	Central loose tube	Central loose tube
Messenger	Metal messenger, subject to final design	Metal messenger, subject to final design
Protection	PSP protection visible in confirmed structure	No steel tape / PSP visible in confirmed structure
Typical Use	Aerial access / feeder with enhanced protection	Aerial access / feeder, lighter structure
Aspect	GYXTC8S	ADSS
Structure	Figure-8 with messenger	All-dielectric self-supporting
Metal Content	Yes (messenger + PSP protection)	None
Support System	Integrated messenger section	Non-metallic strength system
Typical Use	Telecom aerial access and feeder routes	All-dielectric aerial routes

## 8. Customization Options

- Fiber type: G.652D, G.657A1/A2, multimode, or customer-specified
- Fiber count: subject to cable design and project requirements
- Messenger and PSP protection: subject to final cable design
- Sheath type and cable marking: subject to project environment and customer requirement
- Drum length and packaging: subject to project or shipping requirements

## 9. Mechanical & Environmental Parameters

Mechanical and environmental parameters (tensile strength, span length, crush resistance, bending radius, temperature range) are determined by the cable design and project environment. Refer to project datasheet for specific values.

## 10. Compliance

Applicable standards and compliance requirements should be confirmed according to the project specification. Compliance documentation can be provided upon request when required for the project.

## 11. Contact Information

### Maplearashi

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