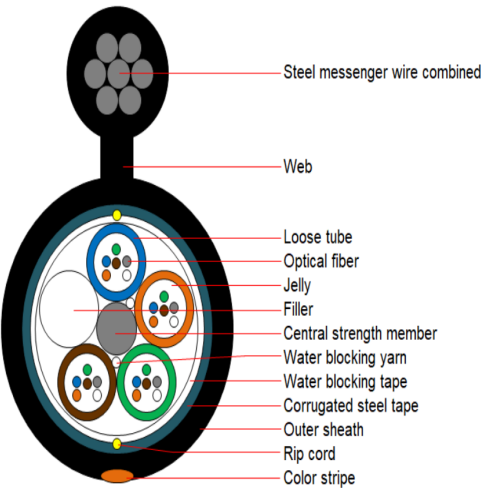


GYC8S

Figure-8 Self-Supporting Aerial | Stranded Loose Tube with Steel Messenger



GYC8S



Product Photo

Cable Structure Diagram

Product	GYC8S Outdoor Figure-8 Fiber Optic Cable
Model	GYC8S
Structure	Figure-8 Self-Supporting Stranded Loose Tube
Messenger	Integrated steel messenger wire
Armor	Non-armored cable core; final protection subject to cable design
Installation	Outdoor aerial self-supporting route
Company	Maplearashi
Website	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, specializing in outdoor fiber optic cables, FTTH drop cables, indoor fiber optic cables, and OEM/ODM customized fiber optic cable solutions for global telecom, ISP, contractor, and distribution customers.

Website: www.maplearashi.com

Main Products: Outdoor Fiber Optic Cable, FTTH Drop Cable, Indoor Cable, OEM/ODM Custom Solutions

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

Compliance documentation can be provided upon request when required for the project.

2. Product Overview

GYC8S is an outdoor figure-8 self-supporting fiber optic cable with a stranded loose tube cable core and an integrated steel messenger wire. The figure-8 profile combines the cable unit and the messenger section in one cable structure for aerial pole-to-pole installation.

GYC8S is intended for outdoor aerial self-supporting routes such as access networks, rural broadband, FTTH feeder links, and suburban pole routes. Final messenger size, span capability, fiber count, sheath material, drum length, and mechanical performance should be confirmed according to the approved cable design and project requirements.

3. Cable Structure

Based on the available product structure diagram, the typical GYC8S construction includes the following components. Exact material selection and dimensions are subject to final cable confirmation.

Layer	Component	Material / Function
1	Optical Fiber	G.652D / G.657 / custom fiber type per project
2	Filled Loose Tube	Stranded loose tube cable unit for fiber protection
3	Tube Filling	Water-blocking compound or dry material, subject to design
4	Central Strength Member	Mechanical support for cable core, subject to final cable design
5	Water Blocking	Water-blocking material according to project requirements
6	Cable Unit Sheath	PE sheath for outdoor exposure, subject to project requirements
7	Connecting Web	Web section connecting cable unit and messenger lobe
8	Messenger Section	Integrated steel messenger wire for aerial self-supporting installation
9	Messenger Sheath	PE jacket around messenger section

GYC8S is a metal-messenger figure-8 cable. It should not be specified as all-dielectric, ADSS, direct-burial, or indoor FTTH drop cable unless a separate final cable design confirms those requirements.

4. Key Features

- Figure-8 self-supporting construction for aerial pole-route installation
- Integrated steel messenger wire for route support
- Stranded loose tube cable core for outdoor access and feeder networks
- One-pass aerial deployment without separate lashing in typical figure-8 routes, subject to installation design
- Water-blocking design for outdoor moisture protection
- Fiber type, fiber count, messenger size, sheath, marking, and drum length customizable by project

5. Fiber Options

GYC8S can be manufactured with a range of fiber types. Fiber type and fiber count should be selected according to transmission requirements, route design, and final cable structure.

Fiber Type	Description
G.652D	Standard single-mode fiber for access and feeder networks
G.657A1 / A2	Bend-insensitive single-mode fiber where project routing requires it
OM1 / OM2 / OM3 / OM4	Multimode fiber for short-reach links when specified
Custom fiber	Available upon request

Default fiber type and count depend on final cable design. Contact Maplearashi for project-specific options.

6. Applications

- Outdoor aerial self-supporting access routes
- Pole-to-pole rural broadband deployment
- FTTH aerial feeder and distribution links
- Suburban aerial route construction
- Temporary or rapid-deployment outdoor aerial communication links

GYC8S is designed for outdoor aerial self-supporting installation. It is not intended for direct burial, indoor FTTH drop installation, or all-dielectric ADSS replacement.

7. Model Comparison

The following tables differentiate GYC8S from commonly compared outdoor cable models.

Aspect	GYC8S	GYTC8S
Cable Core	Stranded loose tube	Stranded loose tube
Messenger	Integrated steel messenger wire	Integrated steel messenger wire
Cable Core Protection	Non-armored; final protection subject to design	Steel tape / PSP armor over cable core, subject to design
Typical Route	General aerial access and feeder routes	Aerial routes requiring higher mechanical protection

Aspect	GYC8S	GYXTC8S
Cable Core	Stranded loose tube	Central loose tube
Profile	Figure-8 with steel messenger	Figure-8 with metal messenger
Fiber Count	Subject to final cable design	Subject to final cable design
Typical Use	Aerial access and feeder routes	Compact central-tube aerial access routes

Aspect	GYC8S	ADSS
Structure	Figure-8 with steel messenger	All-dielectric self-supporting cable
Metal Content	Yes — integrated steel messenger	None in the cable strength system
Grounding / Bonding	Messenger treatment depends on route engineering and local conditions	Reviewed according to ADSS route, hardware, sheath, and electric-field effects
Typical Route	Telecom pole routes using figure-8 cable	All-dielectric aerial routes where ADSS design is required

8. Customization Options

Maplearashi supports OEM/ODM customization on the following aspects:

- Fiber type and fiber count according to project requirements
- Messenger wire size and span requirement subject to final route design
- Sheath material and marking according to project environment
- Cable diameter, weight, tensile strength, and bend radius confirmed by approved design
- Drum length and packaging according to project and shipping requirements

9. Mechanical & Environmental Parameters

Mechanical and environmental parameters such as tensile strength, span length, crush resistance, bending radius, operating temperature, cable diameter, and cable weight depend on the final cable design, messenger specification, sheath selection, and installation route.

Project-specific parameter data can be provided after receiving the required fiber count, installation route, span or pole distance, sheath requirement, applicable standards, drum length, and delivery market.

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

For inquiries, project-specific requirements, or technical support, please contact Maplearashi:

Maplearashi

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