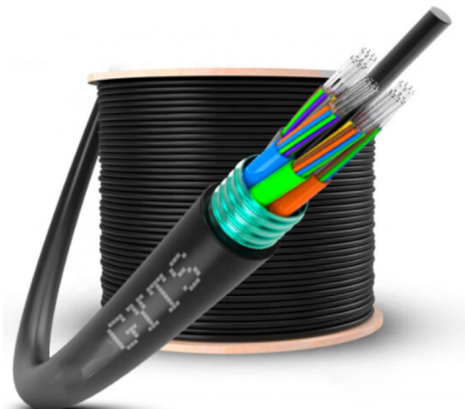


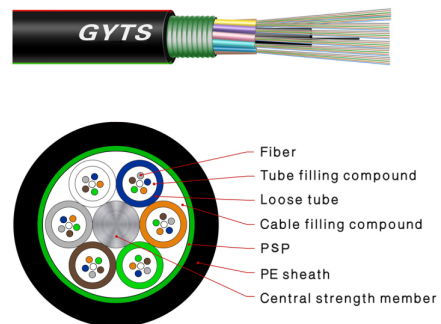
MapleArashi

Fiber Optic Cable Manufacturer

Stranded Loose Tube Cable - GYTS



Cable Structure - GYTS



GYTS Outdoor Stranded Loose Tube Fiber Optic Cable — Steel Tape / PSP Armor, Metallic CSM

Stranded Loose Tube | Steel Tape / PSP Armor | Metallic Central Strength Member | PE Outer Sheath

GYTS is an outdoor stranded loose tube steel tape armored fiber optic cable designed for duct, backbone, and outdoor distribution applications. Optical fibers are placed inside filled loose tubes stranded around a metallic central strength member. The corrugated steel tape / PSP armor and PE outer sheath provide enhanced mechanical protection and outdoor environmental performance, while final cable parameters remain subject to project requirements and confirmed cable design.

Product	GYTS
Model	GYTS
Category	Outdoor Fiber Cables - Stranded Loose Tube Cables
Structure	Stranded loose tube cable with metallic CSM, steel tape / PSP armor, PE sheath

This specification is for reference only. Final cable design parameters are subject to project requirements and manufacturing feasibility.

1. Product Information

Field	Specification
Product	GYTS
Model	GYTS
Category	Outdoor Fiber Cables - Stranded Loose Tube Cables
Structure	Stranded loose tube cable with metallic CSM, steel tape / PSP armor, and PE outer sheath
Fiber Type	Single-mode G.652D or G.657A1; subject to project requirements
Number of Fibers	Subject to final cable design and project requirements
Central Strength Member	Metallic CSM, subject to final cable design
Armor Type	Corrugated steel tape / PSP
Sheath Material	PE outer sheath, subject to project requirements
Water-Blocking	Filling compound and water-blocking material, subject to final cable design
Application	Duct / backbone / outdoor distribution / project-confirmed installation environments

2. Company Profile

Maplearashi Technology, with 20 years of expertise in fiber optic communication, manufactures GYTS stranded loose tube steel tape armored fiber optic cables in our facility located in the Guangdong-Hong Kong-Macao Greater Bay Area. The steel tape / PSP armor provides robust mechanical protection against crush, impact, and rodent damage in outdoor environments. Compliance documents available upon request.

3. Product Overview

GYTS is an outdoor stranded loose tube steel tape armored fiber optic cable, subject to project requirements and cable design confirmation. Optical fibers are placed inside water-blocking filled loose tubes stranded around a metallic central strength member. The corrugated steel tape / PSP armor layer delivers enhanced mechanical and crush resistance compared to non-armored outdoor cable designs, while the PE outer sheath provides outdoor environmental protection for backbone, duct, and distribution networks.

4. Key Features

- Stranded loose tube design for flexible fiber management in outdoor routes
- Steel tape / PSP armor layer for enhanced crush, impact, and rodent protection
- Metallic central strength member for robust central strength
- Water-blocking filled loose tubes and cable core filling for longitudinal water protection
- PE outer sheath for outdoor environmental protection
- Available in standard single-mode fiber types per project requirements

5. Technical Specifications

5.1. Cable Structure

Layer	Component	Material / Function
1	Optical Fiber	Single-mode G.652D or G.657A1; subject to project requirements
2	Loose Tubes (PBT)	Filled PBT loose tubes stranded around central strength member
3	Tube Filling	Water-blocking filling compound
4	Central Strength Member	Metallic CSM, subject to final cable design
5	Cable Core Filling	Water-blocking material in cable core interstices
6	Tape Armor	Corrugated steel tape / PSP applied over cable core
7	Outer Sheath	PE (polyethylene), UV-resistant, subject to project requirements

Material and design details can be adjusted according to fiber count, tube layout, and project needs.

6. Applications

- Outdoor duct and conduit installations where mechanical protection is required
- Backbone networks and trunk routes in metropolitan networks
- Campus backbone and outdoor distribution links
- Outdoor installations requiring steel tape / PSP mechanical protection
- Project-confirmed installation environments requiring enhanced crush and impact resistance

7. Design Notes

- Mechanical parameters subject to final cable design
- Steel tape / PSP armor provides mechanical protection but is not equivalent to 53 double-sheath armor
- Not designed for default 53 armored double-sheath requirements unless confirmed
- Not designed for self-supporting aerial installation — consider ADSS or Figure-8 cable options for aerial routes
- GYTS uses steel tape / PSP armor. GYTA uses APL moisture barrier.
- GYTS uses individual fibers in loose tubes. GYDTS uses ribbon fiber construction.

8. Fiber Options

Fiber Type	Description
G.652D	Standard single-mode fiber — ITU-T G.652.D standard
G.657A1	Bend-insensitive fiber — ITU-T G.657.A1 standard
Custom	Other fiber types available per project requirements

9. Installation Guidance

- Installation temperature and pulling tensions subject to project-specific cable design
- Minimum bend radius during installation: refer to project-specific datasheet
- Not designed for self-supporting aerial installation — consider ADSS or Figure-8 cable options
- Direct burial requires project-specific cable design confirmation

10. Model Comparison & Reference

GYTS vs GYDTS

Parameter	GYTS	GYDTS
Fiber Type	Individual fibers in loose tubes	Ribbon fiber / optical fiber ribbons
Aarmor	Steel tape / PSP	Steel tape / PSP
Structure	Stranded loose tube	Stranded loose tube
Note	GYTS uses individual fibers	GYDTS uses ribbon fiber construction

GYTS vs GYTA

Parameter	GYTS	GYTA
Aarmor / Barrier Type	Steel tape / PSP armor	APL moisture barrier
CSM	Metallic	Metallic
Structure	Stranded loose tube	Stranded loose tube
Note	GYTS uses steel tape / PSP armor for mechanical protection	GYTA uses APL moisture barrier for moisture resistance

GYTS vs GYTS53

Parameter	GYTS	GYTS53
Sheath Structure	Steel tape / PSP + PE outer sheath	Inner PE + steel tape armor + outer PE
Aarmor Type	Single steel tape / PSP	53 double-sheath armored
Note	GYTS and GYTS53 are separate models	See separate GYTS53 specification

GYTS vs GYXTW

Parameter	GYTS	GYXTW
Tube Type	Stranded loose tube	Central loose tube
Aarmor / Barrier	Steel tape / PSP armor	Subject to design variant
CSM	Metallic	Subject to design variant
Note	GYTS and GYXTW are separate models	See separate GYXTW specification

11. Customization Options

- Fiber type and count per project requirements
- Tube count, tube color, and fiber distribution per tube
- Sheath marking, meter marking, and cable color
- Alternative sheath materials subject to project requirements
- Drum length and packaging per project or shipping requirements

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