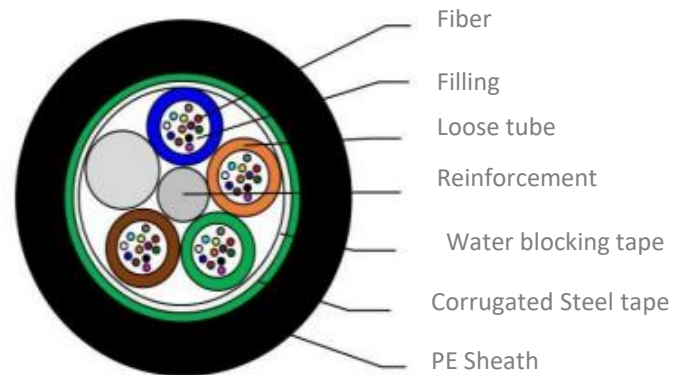


Fiber Optic Cable- GYTS 48-Core

SAFENET GYTS G.652D is an all directional Loose Tube Outdoor LSZH Fiber Optic Drop Cable and made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. It is a round, all dielectric cable ideally suited for self-supporting drop-type installations as well as in lashed or conduit builds. The cable is completed with a polyethylene (PE) sheath.

Two embedded GFRP member provide high tensile strength



Key Feature

- Conform mechanical and temperature performance.
- High strength loose tube that is hydrolysis resistant.
- Special tube filling compound ensure a critical protection of Fiber.
- Two parallel non-metallic reinforcement ensure tensile strength.
- PE sheath protects cable form ultraviolet radiation.
- Small diameter, light weight and friendly installation.

Complied Standards

- YD/T 769.
- RoHS Compliant

Application

- Duct/Directly
- Buried/Aerial

Loose Tube Colors

NO.	1	2	3	4	5	6	7	8	9	10	11	12
4F	Blue	Orange	Green	Brown								
6F	Blue	Orange	Green	Brown	Gray	White						
12F	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Optical Characteristics

Characteristics	
Fiber number	48 Core
Fiber type	G652D
Fiber color	Blue/Orange/Green/Brown/Grey/White/Red/Black/Yellow/Violet/Pink/Aqua
Tube color	Blue/Orange/Green/Brown
Water blocking material	Water blocking tape
Armor layer	Corrugated steel tape
Jacket material	Black PE material
Sheath thickness	1.7±0.2mm
Reference diameter	10.7±0.2mm
Reference weight	110±5kg/km

Performance of optical Fiber and cable:

Project	Performance index	
Cladding diameter	125±1um	
Cladding non-circularity	≤1.0%	
Cable cut-off wavelength	≤1260nm	
Zero-dispersion wavelength	1300-1324nm	
Zero-dispersion slope	≤0.092ps/(nm ² *km)	
Mode field diameter	1310nm	9.2±0.4um
Attenuation	@1310nm	≤0.35dB/km
	@1550nm	≤0.21dB/km
Tensile properties	Long-term	600N
	Short-term	1500N
Compressive properties	Long-term	300N
	Short-term	1000N
Bending radius	Static	10D
	Dynamic	20D
Service temperature		40~+60°C

Outer Diameter & Unit Weight

GYTS	GFRP (mm)	PBT (mm)	OD (mm)	Nominal Sheath Thickness	Unit Weight Kg/km
4B1.3	1.0	1.8 ± 0.1	6.5 ± 0.3	2.3	35 ± 4
6B1.3	1.0	1.8 ± 0.1	6.5 ± 0.3	2.3	35 ± 4
12B1.3	1.0	2.0 ± 0.1	6.5 ± 0.3	2.3	35±4

Ordering Information

Part No	Name of items	Color	Length	Weight
62-3480BK	Single Mode Outdoor Fiber Optic Cable GYTS – 48 Core	Black	2000M/Drum	120 ±5 Kg/km