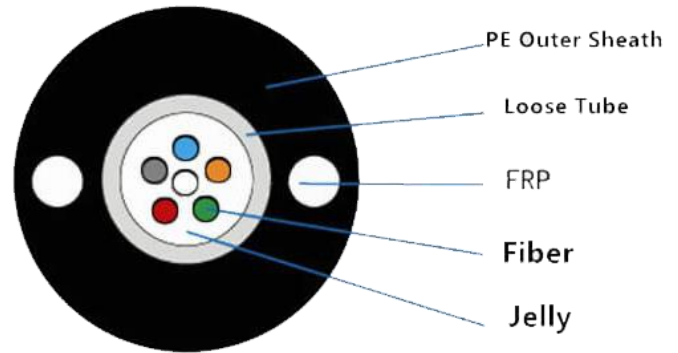


## SM Armored Unitube Outdoor Fiber Optic Cable GYXTW-12 Core

SAFENET GYFXTY 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		Units	Specified Values
Attenuation	@1310nm	dB/km	≤0.36
	@1383nm		≤0.31
	@1550nm		≤0.22
Dispersion Coefficient	1285-1340nm	ps/(nm.km)	≤3.5
	1550nm		≤18
Zero Dispersion Wavelength		nm	1300 ~ 1320
Zero Dispersion Slope		ps/(nm <sup>2</sup> .km)	≤0.092
<b>Polarization Mode Dispersion PMD</b>			
Maximum Individual Fiber	-	ps/km <sup>1/2</sup>	≤0.2
PMD Link Design Value	-		≤0.1
Cable Cut-off Wavelength μ cc		nm	≤1260
Mode Field Diameter (MFD)	@1310nm	μm	9.1 ± 0.5
	@1550nm		10.2±1.0
Group Index of Refraction	@1310nm	-	1.4640
	@1550nm	-	1.4645

### Geometrical Characteristics

Characteristics	Units	Specified values
Cladding diameter	μm	125.0±1.0
Cladding non-circularity	%	≤1.0
Coating diameter	μm	242 ± 7
Coating/Cladding concentricity error	μm	≤12.0
Core/cladding concentricity error	μm	≤0.6
Curl (radius)	m	≥4

### Mechanical Characteristics

Characteristics		Units	Specified values
Proof Test	Offline	N	≥8.2
		%	≥1.0
		kpsi	≥100
Bending Dependence Induced Attenuation 100 turns, 60mm diameter	@1550nm	dB	≤0.05

### Outer Diameter & Unit Weight

GYFXTY	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
6235-4061BK	SM Armored Unitube Outdoor Fiber Optic Cable GYXTW-6 Core	Black	2000M/Drum	35 ±4 Kg/km