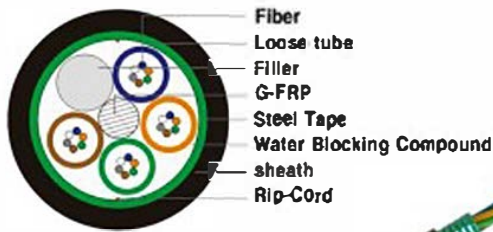


# ARMORED DIRECT BURIED FIBER CABLE



Armored fiber cable is the type of fiber optic cable that is made up of the loose tube jell-filled structure. It has no metallic central part like many other types but it is self-supported. Consequently, it is laminated by a steel-polyethylene sheath. According to the research, GYFTS Fiber Optic Cable can function well under any temperature; both low and high temperatures. That outstanding feature gives it an upper hand over the other types.

## Description

loose tube style, optical fiber cable with non-metallic central strength member of G-FRP and peripheral strength members with moisture barrier inner sheath. Cable protected by black PE over sheath, suitable for duct or aerial application. Tubes contain optical single-mode or multimode fibers.

## Application

- Adopted to Outdoor distribution.
- Suitable for aerial .pipeline laying method.
- Long distance and local area network communication.
- Usable in Duct and direct buried.
- Junction communication system.

## Features

- Full cross-section water-blocking structure and longitudinal armor with both side coated steel tape present reliable performance of moisture-proof and water block.
- The loose tube is filled with special factice for the key protection of fiber.
- High-modulus glass fiber reinforced plastics (G-FRP) central strength member.
- Special filling gel filled loose tubes provide perfect optical fiber protection.
- Strict craft and raw material enables lifespan over 30 years.

## Characteristics

- Accurate fiber excess length ensure good mechanical and temperature performance.
- The non-metal central strength member avoids breakdown between central strength member and steel tape caused by lightning induction.
- FRP strength.filler protect tube fiber.steel tape armor.
- Good ultra violet radiation resistant property.
- Good moisture-resistance.

Specification	
Fiber Count	2~144 F
Fiber Type	Single Mode G.652D Multimode 82.5/125 - 50/125 OM1, OM2, OM3, OM4
The Color Code Of The Fibers	Blue, Orange, Green, Brown, Slate, Natural, Red, Black, Yellow, Violet, Pink, Aqua
Max. Fiber Count/Tube	6 - 12
Loose Tube	OD (MM): 1.8 - 2.0
	Material: PBT
Water Block Material :	Water Blocking compound
Armored	Thickness: 0.23mm
	Material: Steel tape
Sheath	Thickens Non. 1.5mm
	Material: PE
OD Of Cable (MM)	9.6 - 10.2
Attenuation dB/km	1310nm≤0.36
	1550nm≤0.22
Cut-Off Wavelength (λ <sub>c</sub> )	≤1260nm
Zero Dispersion Wavelength (nm)	1300 ~ 1324
Chromatic Dispersion ps/nm.km	1310nms 3.5
	1550nms 18
	1625nms 22
Temperature	Operating: -40C°~+60C° store/transport: -50C°~+70C° installation: -20C°~+60C°

## Fiber Identification

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Fiber Color	Blue	Orange	Green	Brown	Slate	natural	Red	Black	Yellow	Violet	Pink	Aqua

**BSF-SM-24C-9.6MM-2000M**

**BSF-SM-24C-9.6MM-4000M**

**BSF-SM-48C-10.2MM-2000M**

**BSF-SM-48C-10.2MM-4000M**

