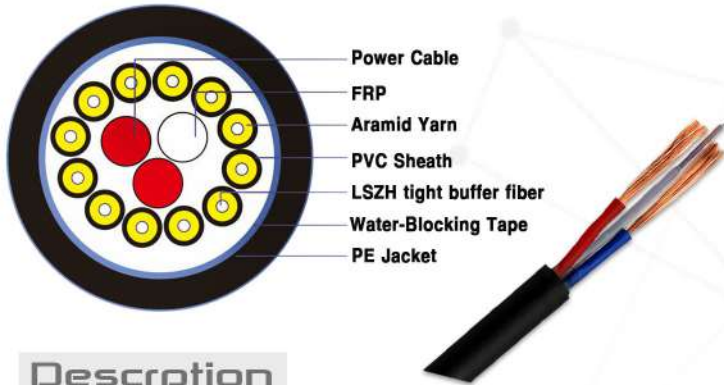


# HYBRID FIBER CABLE



## Description

In the hybrid fiber optic cable, single-mode/multimode fibers are positioned in loose tubes jelly-filled structure, which are made of high modulus plastics and filled with water-blocking materials. Loose tubes and required insulated copper wires are stranded around the non metallic central strength member (FRP) into a compact and circular cable core. For certain high fiber count cables, the strength member would be covered with polyethylene (PE) Sheath.

## Characteristics

Low dispersion and attenuation. Proper design, precise control for fiber excess length and distinct stranding process render the excellent mechanical and environmental properties. Compact structure and lightness, flexible and good bend-resistant performance to reduce the coordination and maintenance of power supply.

## Application

Used as indoor/outdoor, access building, access network, Used as connections in data processing equipment and optical, Mobile operators deploying an RRU architecture to standardize the RRU.

## 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

This hybrid fiber/copper cable is used for a variety of applications where both electrical power delivering and optical fiber communication is required. The optical cable and copper conductors are strengthened by Aramid yarns and further protected by a cable outer jacket with UV stabilization. LSZH is used for the fiber optic cable jacket and LSZH used for the overall cable outer jacket. As a result, the cable can be served as universal cable for both indoor and outdoor installations at the same time.

## Features

- Easily separated into different simplex cables.
- High capacity in data transmission.
- Rugged construction.
- Longitudinal Each tube strain-relieved.
- Water tight by water blocking tape.
- Rodent protection by aramid yarns.

Specification		
Fiber Count	6~12 F	
Fiber Type	Single mode G.652D	
Multimode	OM1,OM2,OM3,OM4	
62.5/125 - 50/125		
The Color Code Of The Fibers	Blue,Orange,Green,Brown, Slate,Natural,Red,Black, Yellow,Violet,Pink,Aqua	
Fiber Unit	OD of tight fiber (mm) :	0.254/0.9mm
	OD of fiber unit (mm) :	2.0 mm
	Thickness Of Fiber Unit:	0.3mm
	Strength element :	Aramid Yarn
	Sheath :	PVC
Copper Unit Identification	Blue , Red	
Copper Unit	Power Cable :	14AWG *2.0MM
	Insulation OD:	3.0MM
	Insulation Material:	PVC
	Voltage And Current :	300V/500V/12A
Water-Blocking Tape Thickness	34MM	
Outer Jacket	PE	
Thickness Of Outer Jacket (mm)	1.2MM	
Cable Diameter (MM)	12.8± 0.5MM <sup>2</sup>	
Max Tensile (N)	2000	
Attenuation		1310 ≤ 0.36 db/km
		1383 ≤ 0.35 db/km
		1550 ≤ 0.22 db/km
		1625 ≤ 0.30 db/km
Cut-Off Wavelength ( λ <sub>cc</sub> )	≤1260 nm	
Temperature		Operating: -40C°~+70C°
		Store/Transport:-40C°~+70C°
		installation: -41C°~+70C°

**BSF-400V-2\*2MM+G3-6B1.3-10.2MM**  
**BSF-400V-2\*2MM+G3-12B1.3-10.2MM**