



Two FRP non-armoured optic fiber cable SPECIFICATION

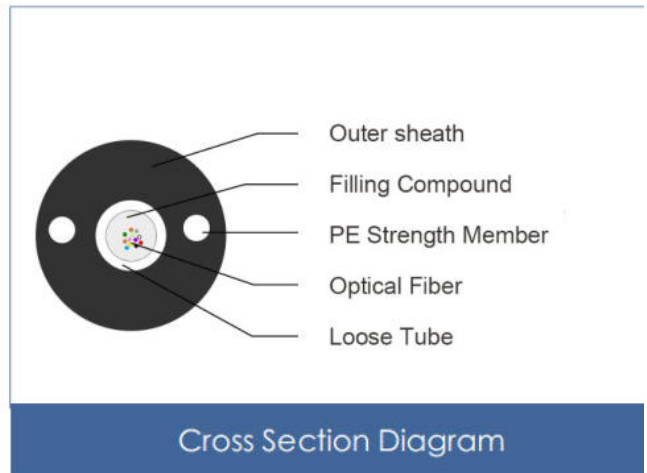
1. Introduction

In this fiber cable, single - mode / multimode fibers are positioned in the loose tube, which is made of high modulus plastic materials and filled with filling compound . Water-blocking materials are distributed into interstices between to guarantee the compactness and longitudinal water-blocking performance. Two parallel FRP are placed at both sides of the cable core while PE sheath is extruded over it.

Application: Duct, underground, aerial



Light Fiber Optical Cable



Cross Section Diagram

Features

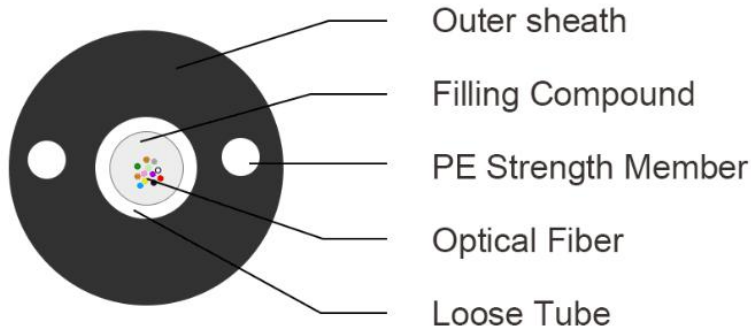
- Low dispersion and attenuation
- Light weight, small diameter, easy to lay
- Good tensile strength and crush resistance performance
- Good moisture-resistance, water blocking, and flexibility
- Good mechanical and temperature resistant performance

Application

- Access network
- Bureaus network
- Metropolitan network
- Aerial & conduit/duct application



3. Cable Structure



Cable Parameter			
Cable Type	Light Outdoor	Fiber Count	2-12 Fibers
Construction	Uni Tube	Fiber Type	Single mode G.652D
Outer Jacket	PE (Black)	Central Strength Member	N/A
Cable Diameter	6.0±0.5mm	Loose Tube	2.0-2.2mm
FRP	1.0mm	Application	Duct Aerial
Tensile Strength (long/short term)	500/1200N	Crush Load (long/short term)	300/1000 (N/100mm)
Bending Radius (long/short term)	10D/20D (mm)	Operating/Storage Temperature	-40 to +60°C

COLOR IDENTIFICATION OF FIBER

The fibers shall be marked by a colored coating with 12 different colors according to EIA/TIA 598:

Color												
NO of fiber	1	2	3	4	5	6	7	8	9	10	11	12
Color names	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua