

GYF(X)BY Non-Metallic Aerial Flat Drop Cable

Flat fiber optic drop cable also called fiber optic GYFBY cable is designed to used on last mile installation routes to connect final users to FTTH or GPON line. PE Sheath FRP Flat Drop Cable possesses high tensile strength and flexibility in compact cable sizes. At the same time, it provides excellent optical transmission and physical performance.

Application

Indoor & Outdoor

Construction

1. Designed for indoor and outdoor FTTH deployment
2. High connecting usability, easy access to the fiber core
3. Reinforced with 2 FRP rods, high tensile strength
4. Full dielectric and high flexibility design
5. Fire redundant protect and UV radiation protection
6. Minimum dimension and weight
7. Fiber cores located in PBT loose tube



Technical Parameters

No.	Items	Unit	Specification	
			G.652D	
1	Mode Field Diameter	1310mm	μm	9.2±0.4
		1550mm	μm	10.4±0.5
2	Cladding Diameter		μm	10.4±0.5
3	Cladding Non-Circularity		%	≤10
4	Core-Cladding Concentricity Error		μm	≤0.6
5	Coating Diameter		μm	245±7
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		μm	AccS1260
9	Attenuation(max.)	1310mm	dB/km	≤0.36
		1550mm	dB/km	≤0.22

Cable Parameters

Items		Specification
Fiber Count		24
Colored Coating Fiber	Dimension	250±15μm
	Color	Blue, Orange Blue&Brown, Gray, White, Red, Black, Yellow Violet, Pink, Aqua.

Loose Tube	Dimension	2.7+/-0.1mm
	Material	PBT
	Color	Natural
strength Member	Dimension	2.0mm
	Material	FRP
	Color	Natural
outer Jacket	Dimension	(8.5+/-0.3)mmx(4.5+/-0.2)mm
	Material	PE
	Color	Black

Mechanical and Environmental Characteristics

Items	Unite	Specification
Tension(Long Term)	N	600
Tension(Short Term)	N	1500
Crush(Long Term)	N/10cm	1000
Crush(Short Term)	N/10cm	2000
Installation Temperature	c	-20~+60
Operating Temperature	°C	-40~+70
storage Temperature	°C	40~+70