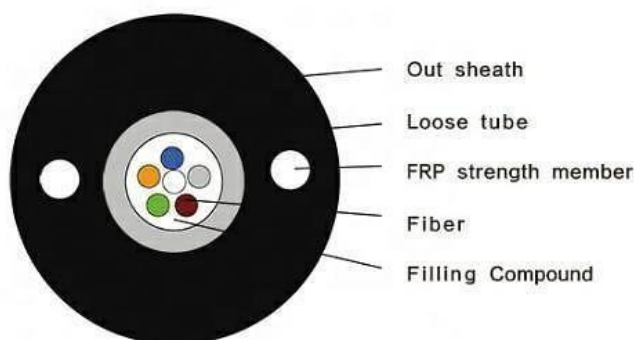


Central Loose Tube In/Out Optical Fiber

G.652D, FRP, HDPE Outer Sheath

Cable design:**Technical data:**

No. of cable	2 F		4F	6~12F
Fiber Model	G.652D			
Loose Tube	Material	PBT		
	Diameter	2.0±0.06 mm	2.0±0.06 mm	2.0±0.06 mm
	Thickness	0.30±0.03 mm		0.30±0.03 mm
	Colour	Nature		
Strength Member	Material	FRP		
	Diameter(±0.05 mm)	0.5	0.8	0.8
Outer Sheath	Material	HDPE		
	Thicknes (±0.1mm)	1.6	2.1	2.25
Cable Diameter		5.5 +/-	6.5 +/-	6.5+/-6.7+/-
Cable Weight (±5 kg/km)		21	31	34
Cable length		2000+3.0m		
Min. bending radius	Without Tension	12.5×Cable-φ		
	Under Maximum Tension	25.0×Cable-φ		
Temperature range (°C)	Installation	-20~+60		
	Transport & Storage	-40~+70		
	Operation	-40~+70		

The properties of single mode optical fiber (ITU-T Rec. G.652.D):

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica



Attenuation coefficient	
@ 1310 nm	□ 0.36 dB/km
@ 1383 nm	□ 0.35 dB/km
@ 1550 nm	□ 0.22 dB/km
@ 1625 nm	□ 0.25 dB/km
Point discontinuity	□ 0.05 dB
Cable cut-off wavelength	□ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	□ 0.092 ps/(nm ² .km)
PMDQ (Quadrature average*)	□ 0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.6 μm
Core / Clad concentricity error	□ 1.0μm
Cladding diameter	125.0 □ 1 μm
Cladding non-circularity	□ 1.0%
Primary coating diameter	245 □ 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0oC~ +70oC @ 1310 & 1550nm	□ 0.1 dB/km

Sheath Marking:

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of ±1%.

- Brand's name
- Type of wire
- Year and month of manufacture
- Length marking each meter along the wire

atop GYXFTY-××B1 2020 =0001m=
(a) (b) (c) (d)

Part Number:

Items Name	Part Number
2 Core Non-Armored Fiber Cable with two frp Rod.	2F-GYFXTY-SM-AT
4 Core Non-Armored Fiber Cable with two frp Rod.	4F-GYFXTY-SM-AT
6 Core Non-Armored Fiber Cable with two frp Rod.	6F-GYFXTY-SM-AT
12 Core Non-Armored Fiber Cable with two frp Rod.	12F-GYFXTY-SM-AT

