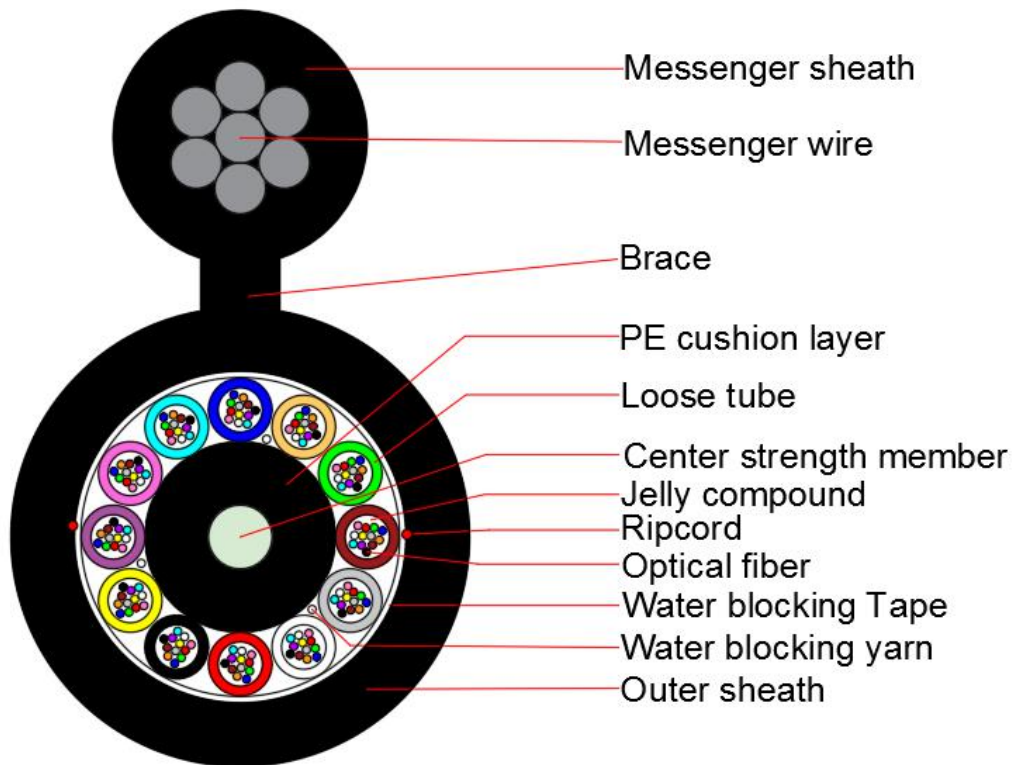


### Self-supporting aerial Fiber optical cable(GYFTC8Y-100M Span)



#### Technical data

No. of cable		24	48	96	144
Fiber Model		G.652D			
Design(StrengthMember+Tube&Filler)		1+5		1+8	1+12
Central Strength Member	Material	FRP			
	Diameter (±0.05) mm	1.5		2.0	
Loose Tube	Material	PBT			
	Diameter (±0.06) mm	1.9			
	Thickness (±0.03) mm	0.3			
	The Max.Core NO./Tube	12			
Messenger Wire	Material	Galvanized Steel Strand			
	Size (±0.05) (mm)	R7×1.0			
Web	Material	MDPE			
	Diameter(W×H) (±0.1) mm	2.0*3.0			
Messenger Sheath	Material	MDPE			
	Thickness (±0.1) mm	1.3			
Outer Sheath	Material	MDPE			
	Thickness (±0.1) mm	1.5			
Cable Diameter (±0.5) mm (W×H)		8.3×16.8		10.0×18.5	12.6*21.1
Cable Weight (±10.0) kg		125		152	202

#### Fibre Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White

No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

### Loose Tube Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

### 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	≤ 0.35 dB/km
@ 1383 nm	≤ 0.32 dB/km
@ 1550 nm	≤ 0.21 dB/km
@ 1625 nm	≤ 0.24 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 <sup>2</sup> .km)
PMD <sub>Q</sub> (Quadrature average*)	≤ 0.2 ps/km <sup>1/2</sup>
Mode field diameter @ 1310 nm	9.2±0.4 μm
Core / Clad concentricity error	≤ 0.5 μm
Cladding diameter	125.0 ± 0.7 μm
Cladding non-circularity	≤ 1.0%
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0°C~ +70°C @ 1310 & 1550nm	≤ 0.1 dB/km