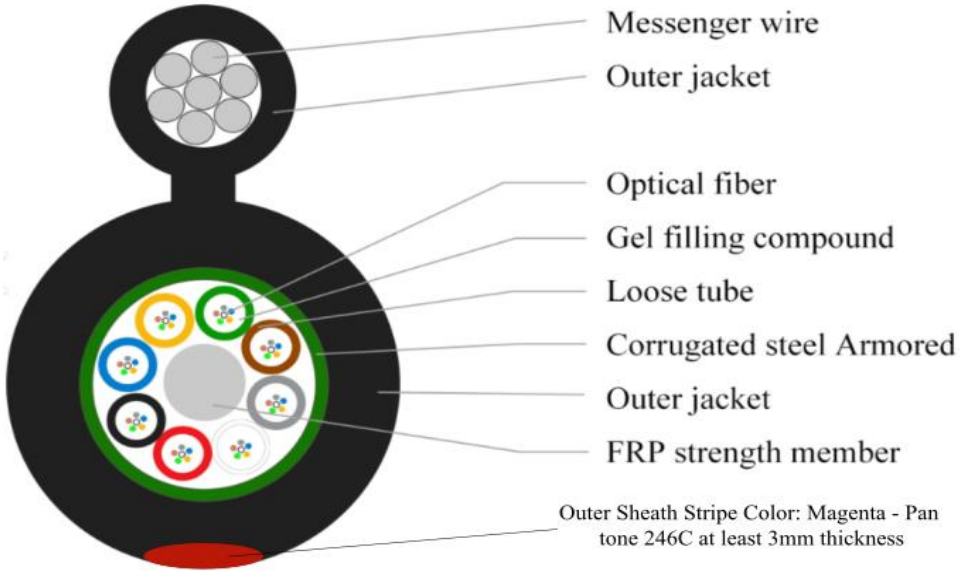
Cable Specification

1.（Optical fiber cable type）:GYFTC8S-96C
2（Optical Cable Industry Standard）：YD/T901-2018
3.（Use case）： Figure-8 cables are mostly used overhead
4.Country of origin： china
5.Manufacturer： jiangsuyizhi
6.Cable lifespan； 20 years
rain and snow, ice coverage, wind, ultraviolet rays, etc., can affect lifespan



3.（Optical fiber type and properties）

（Item）		Unit	Specification G.652D
Mode field diameter	1310nm	μm	8.7-9.5
	1550nm	μm	9.8-10.8
Cladding diameter		μm	125.0±0.7
Cladding non-circularity		%	≤0.7
Core/cladding concentricity error		μm	≤0.6
Coating diameter		μm	235-250
Coating/cladding concentricity error		μm	≤12.0
Cable cut-off wavelength		nm	≤1260
Attenuation coefficient	1310nm	dB/km	□0.36
	1550nm	dB/km	□0.22
Proof stress level		kpsi	≥100
Zero Dispersion Wavelength		nm	1300~1324
Zero Dispersion Slope		ps/(nm2.km)	0.086

ITU-T G.652 (Other parameters meet standard ITU-T G.652)

4. (Dimensions of cable constructions)

Core number	96
Structure	1+8
Fibers per tube	12
Number per tubeose tube diameter(mm)	12
Loose tube diameter(mm)	2
Loose tube thickness	0.7
Thickness of outer jacket(mm)	1.6
Cable diameter(mm)	11.7*2*5.6
Frp（mm）	2.2

5. (Cable performance)

（Item）			(Parameters)	
Fiber Material			Silica	
Loose tube	Material		PBT （polybutylece terephthalate）	
	Color		All color display	
Steel messenger wire	Material		FRP	
Outer jacket	Material		HDPE	
	Color		Black	
Min. bending radius	Static		10 times cable diameter	
	Dynamic		20 times cable diameter	
Tensile performance	Short term	8000N	long-term	3000N
Crush	Short term	1000N	long-term	3000N
pull cord	3000D tear rope		Central Strength Member	2.0 / PE Cushion 3.4
Torsion	Load： 150N; number of cycles:10; twist angle:± 180° No obvious addition attenuation, no fiber break and no cable damage.			
Impact	Impact energy： 450g × 1m; radius of hammer head:12.5mm; number of impact: 5 No obvious addition attenuation, no fiber break and no cable damage.			

6.Colour Arrangement of Fibers is Loose Tube



7.(Environmental performance)

(Item)	(Standard)	(Parameters)
Operation temperature	IEC 60794-1-2 F1	-20℃～+60℃
Water penetration	IEC 60794-1-2-F5	Water level： 1m ,sample： 3m, After 24h， no water ingress.
warehouse storage	IEC 60794-1-2 F1	-10°C ~ 40°C
Tear-resistant storage and transport	IEC 60794-1-2 F1	-40°C ~60°C

8.(Drum)

Height (mm)	1100
Width (mm)	1100
Inner diameter (mm)	630
Length (km)	2
Drum type	Plywood wood drum
Wooden plate weight（kg）	50

9.（Total weight of cable）

Cable weight(kg/km)	215
Wooden plate weight（kg）	50
Total weight(kg)	265
Scroll Length（km/roll）	

10.（drum packaging and details）

Scroll Length（km/drum）	4/ 1 meter for testing.
Wood plank material	plywood
Fiber optic cable label	infinivan GYFTC8S-96B1.3 YZ 2026 0000M.
colour	white
interval（m）	1
nut	stainless steel

