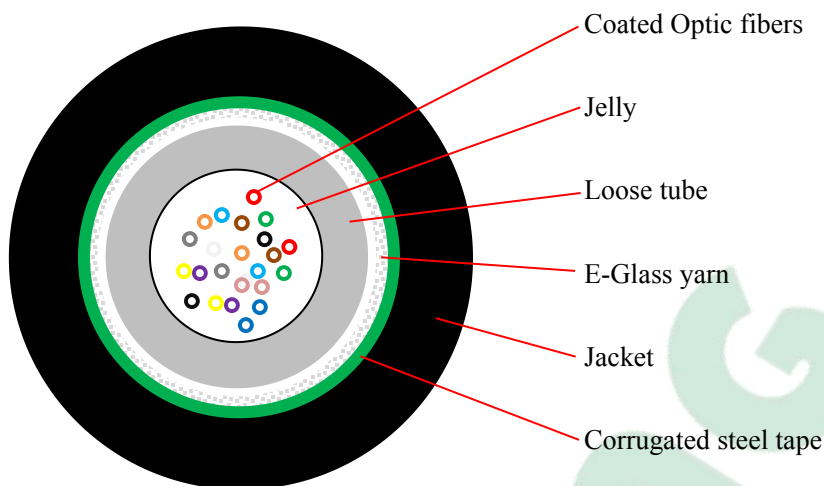


GYFXTS Central Loose Tube Fiber Optic Cable

Profile



Optical fiber parameters

No.	Items		Unit	Specification				
				G.652D	OM1	OM2	OM3	OM4
1	Mode Field Diameter / Core Diameter		μm	9.2 ± 0.4 10.4 ± 0.5	62.5 ± 2.5	50 ± 2.5	50 ± 2.5	50 ± 2.5
2	Cladding Diameter		μm	125.0 ± 0.7	124.8 ± 0.7	124.8 ± 0.7	124.8 ± 1.0	124.8 ± 1.0
3	Cladding Non-Circularity		%	≤0.8	≤0.7	≤0.7	≤1.0	≤1.0
4	Core-Cladding Concentricity Error		μm	≤0.6	≤0.5	≤0.5	≤1.5	≤1.5
5	Coating Diameter		μm	247 ± 5	245 ± 5	245 ± 5	245 ± 7	245 ± 7
6	Coating Non-Circularity		%	≤6.0	≤6.0	≤6.0	≤6.0	≤6.0
7	Cladding-Coating Concentricity Error		μm	<12.0	≤12.0	≤12.0	≤12.0	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc}\leq1260$	/	/	/	/
9	Attenuation(max.)	1310nm	dB/km	≤0.35	/	/	/	/
		1550nm		≤0.22	/	/	/	/
10	Attenuation Coefficient	850nm	dB/km	/	≤2.5	≤2.7	≤2.5	≤2.5
		1300nm		/	≤0.7	≤0.6	≤0.6	≤0.6
11	OFL Bandwidth	850nm	MHz·km	/	/	/	≥1500	≥3500
		1300nm	MHz·km	/	/	/	≥500	≥500
12	Effective Modal Bandwidth	850nm	MHz·km	/	/	/	≥2000	≥4700
		1300nm	MHz·km	/	/	/	≥500	≥500



Fiber optic cable parameter

Items		Specifications					
Coating optical fiber	Dimension	260±5μm					
	Material	printing ink					
	Color	Blue	Orange	Green	Brown	Grey	White
		Red	Black	Yellow	Purple	Pink	Aqua
		13#-24# with black ring marks at intervals of 100mm					
	Material	PBT Natural					
	Filling materials	Thixotropic jelly					
	Color	Ecu					
Reinforcement materials	Self-sustained strengthening	Glass yarn					
Jacket	Material	HDPE Black					
	Water-blocking materials	Water blocking yarn					
	Armored	Corrugated steel tape					

Mechanical and Environmental Characteristics

Items	Unite	Specifications	Standard
Tension (Long Term)	N	600	IEC 60794-1-2-E1
Tension (Short Term)	N	1500	
Crush (Long Term)	N/10cm	1000	IEC 60794-1-2-E3
Crush (Short Term)	N/10cm	2200	
Min. Bend Radius (Dynamic)	mm	20D	IEC 60794-1-2-E6
Min. Bend Radius (Static)	mm	10D	
Operating Temperature	℃	-40~+70	IEC 60794-1-2-F1
Storage Temperature	℃	-30~+60	
Installation	℃	-30~+60	

Packing Standard delivery lengths are 1km, 5km, with a tolerance of -1%~+3%

Fiber Count	Cable diameter(mm)	Loose Tube diameter (mm)	Drum Length (m)	Weight (Net) (kg)	Weight (Gross) (kg)	Packing Size L×W ×H(mm)
2-8	8.0	2.2±0.1	2000	110	160	700×700×700
			3000	165	215	800×800×700
10-16	8.5	2.5±0.1	2000	110	160	700×700×700
			3000	165	215	800×800×700
14-24	9.3	2.9±0.1	2000	142	192	800×800×700
			3000	213	268	900×900×700