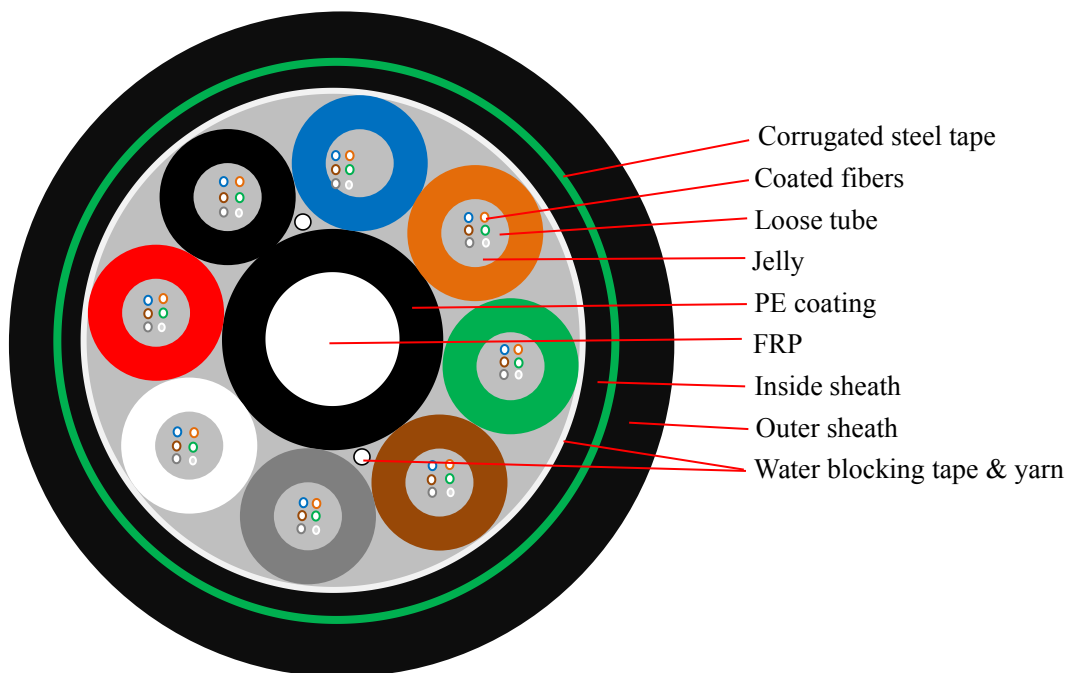


GYFTY53 Non-Metallic Stranded Armored Fiber Optical Cable

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	$\lambda_{cc} \leq 1260$	/	/	/	/
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
Loose tube	Material	PBT					
	Filling materials	Thixotropic jelly					
	Color	Blue.	Orange	Green	Brown	Grey	White
Reinforcement materials	Strengthening of the Centre	FRP					
	Dimension	2.0mm~6.6mm（PE+Coated）					
Inner sheath	Material	MDPE Black					
	Water-blocking materials	Water blocking tape & yarn					
Outer sheath	Material	HDPE Black					
	Armored	Corrugated steel tape					

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension（Long Term）	N	600~1000
Tension（Short Term）	N	1500~3000
Crush（Long Term）	N/10cm	1000
Crush（Short Term）	N/10cm	3000
Min. Bend Radius（Dynamic）	mm	20D
Min. Bend Radius（Static）	mm	10D
Operating Temperature	℃	-40~+70
Storage Temperature	℃	-30~+60

Packing Standard delivery lengths are 2km, 3km, 4km, 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(m)
2-36	12±0.5	1.8±0.1	3000	530	590	1.2×1.2×0.7
62-72	13.5±0.5	2.1±0.1	3000	630	700	1.3×1.3×0.7
74-96	15.8±0.5	2.1±0.1	3000	760	830	1.2×1.2×0.7
98-144	18.0±0.5	2.1±0.1	2000	1020	1100	1.4×1.4×0.7