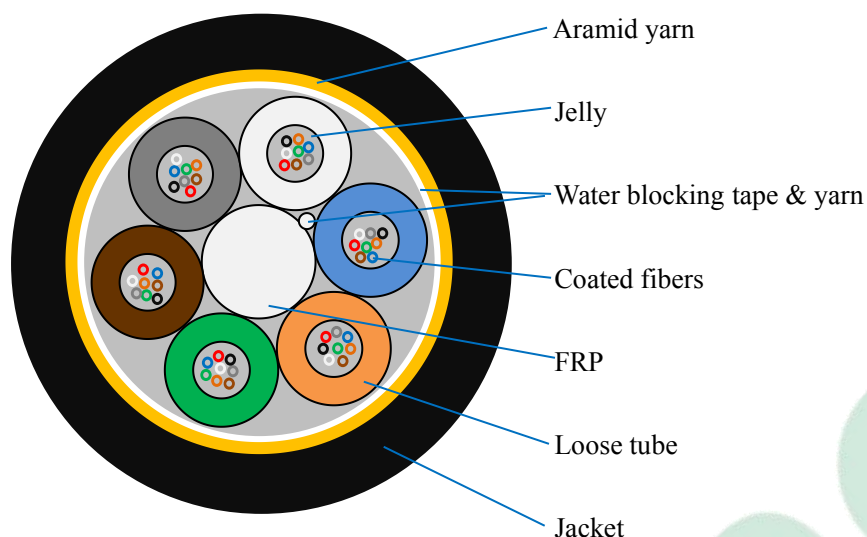


All-Dielectric Self Support Single Jacket Fiber Optic Cable

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	62.5±2.5	50±2.5	50±2.5	50±2.5
				10.4±0.5				
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



FURONG CABLE CO., LTD.

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	
Loose tube	Material	PBT						
	Filling materials	Thixotropic jelly						
	Color	Blue	Orange	Green	Brown	Grey	White	
		Red	Black	Yellow	Purple	Pink	Aqua	
Reinforcement materials	Strengthening of the Centre	FRP						
	Dimension	2.0mm~3.8mm						
	Self-sustained strengthening	Aramid yarn						
	Water-blocking materials	Water-blocking tape & yarn						
Outer sheath	Material	HDPE Black						

Mechanical and Environmental Characteristics

Items	Unite	Specifications		
Span	M	100	200	300
Fiber Count	Core	2~36		
Dimension	mm	10.2	10.4	10.6
Tension (Long Term)	N	1400	1920	2200
Tension (Short Term)	N	3500	4200	5500
Weight	KG/KM	85	86.5	89
Crush (Long Term)	N/10cm	1000		
Crush (Short Term)	N/10cm	2000		
Min. Bend Radius(Dynamic)	mm	25D		
Min. Bend Radius (Static)	mm	12.5D		
Operating Temperature	℃	-40~+70		
Storage Temperature	℃	-30~+60		

Packing Standard delivery lengths are 2km. 3km.4km.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(m)
2-36	10.2±0.5	2.1±0.1	3000	255	315	1.0×1.0×0.7

Remark: The above descriptions and technical parameters are for reference only.The above meteorological conditions are Grade I.