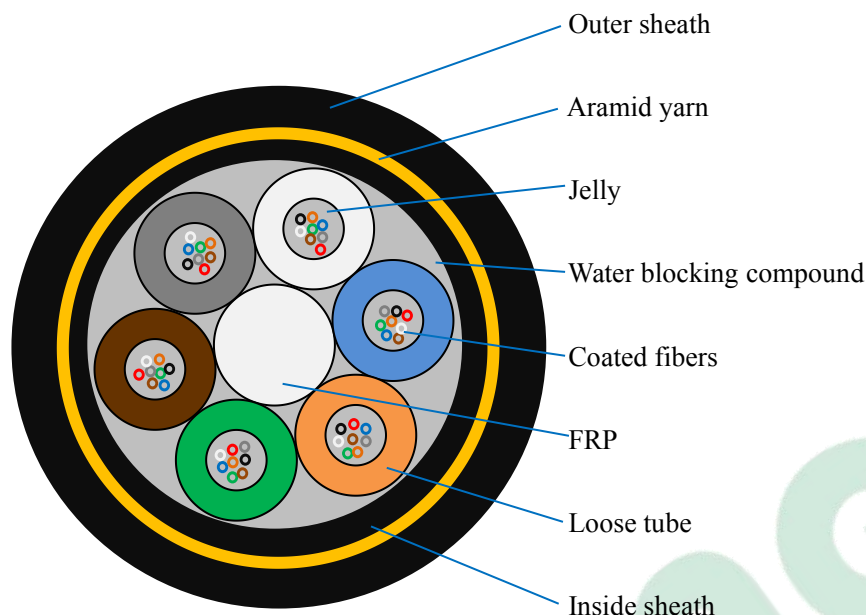


All-Dielectric Self Support Double Jacket Fiber Optic Cable

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 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



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
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~3.8mm					
	Self-sustained strengthening	Aramid yarn					
	Water-blocking materials	Water-blocking compound					
Inner sheath	Material	MDPE Black					
Outer sheath	Material	HDPE Black					

Mechanical and Environmental Characteristics

Items	Unite	Specifications				
Span	M	100	200	300	400	500
Fiber Count	Core	2~36				
Dimension	mm	11.6	11.7	11.9	12	12.3
RTS	N	5000	8000	11250	15000	20000
MAT	N	2000	3200	4500	6000	8000
EDS	M	1250	2000	2800	3750	5000
Weight	KG/KM	112	114	118	121	126
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, 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	2.1±0.1	3000	360	430	1.3×1.3×0.7

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