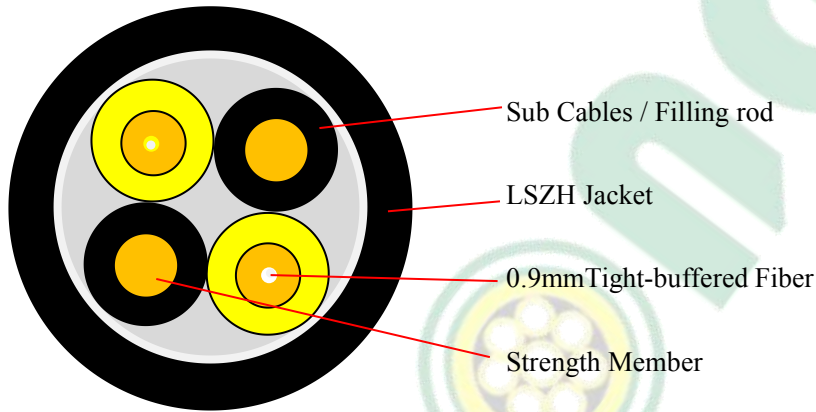


Round Fiber Optic Cable for Base Station

Profile View



Optical fiber parameters

No.	Items		Unit	Specification				
				SM	OM1	OM2	OM3	OM4
1	Mode Field Diameter / Core Diameter		μm	9.2 $\pm$ 0.4	62.5 $\pm$ 2.5	50 $\pm$ 2.5	50 $\pm$ 2.5	50 $\pm$ 2.5
				10.4 $\pm$ 0.5				
2	Cladding Diameter		μm	125.0 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 1.0	124.8 $\pm$ 1.0
3	Cladding Non-Circularity		%	$\leq$ 0.8	$\leq$ 0.7	$\leq$ 0.7	$\leq$ 1.0	$\leq$ 1.0
4	Core-Cladding Concentricity Error		μm	$\leq$ 0.6	$\leq$ 0.5	$\leq$ 0.5	$\leq$ 1.5	$\leq$ 1.5
5	Coating Diameter		μm	247 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 7	245 $\pm$ 7
6	Coating Non-Circularity		%	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0
7	Cladding-Coating Concentricity Error		μm	$<$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc}\leq$ 1260	/	/	/	/
9	Attenuation(max.)	1310nm	dB/km	$\leq$ 0.4	/	/	/	/
		1550nm		$\leq$ 0.3	/	/	/	/
10	Attenuation Coefficient	850nm	dB/km	/	$\leq$ 2.5	$\leq$ 2.7	$\leq$ 2.5	$\leq$ 2.5
		1300nm		/	$\leq$ 0.7	$\leq$ 0.6	$\leq$ 0.6	$\leq$ 0.6
11	OFL Bandwidth	850nm	MHz·km	/	/	/	$\geq$ 1500	$\geq$ 3500
		1300nm	MHz·km	/	/	/	$\geq$ 500	$\geq$ 500
12	Effective Modal Bandwidth	850nm	MHz·km	/	/	/	$\geq$ 2000	$\geq$ 4700
		1300nm	MHz·km	/	/	/	$\geq$ 500	$\geq$ 500



FURONG CABLE CO., LTD.

Cable Parameters

Items		Parameters
Tight-buffered	Diameter	850 μ m $\pm$ 50 μ m
	Material	PVC
Sub cables	Diameter	1.9mm $\pm$ 0.1mm
	Material	LSZH
	Color	Yellow (1# - 4#)
	Strength Member	Aramid yarn
Jacket	Material	LSZH
	Color	Black

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	200
Tension (Short Term)	N	400
Crush (Long Term)	N/10cm	500
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Operating Temperature	°C	-30 $\sim$ +60
Storage Temperature	°C	-20 $\sim$ +60

Packing Standard delivery lengths are 1km,2km, 3km,, with a tolerance of -1% $\sim$ +3%

Fiber Count	Cable diameter(mm)	Loose Tube diameter (mm)	Drum Length (m)	Weight (Net) (kg)	Weight (Gross) (kg)	Packing Size L $\times$ W $\times$ H(m)
2-4	6.9 $\pm$ 0.1	1.9 $\pm$ 0.1	1000	42	72	0.6 $\times$ 0.6 $\times$ 0.5
	6.9 $\pm$ 0.1	1.9 $\pm$ 0.1	2000	84	124	0.7 $\times$ 0.7 $\times$ 0.5
	6.9 $\pm$ 0.1	1.9 $\pm$ 0.1	3000	236	290	0.8 $\times$ 0.7 $\times$ 0.5