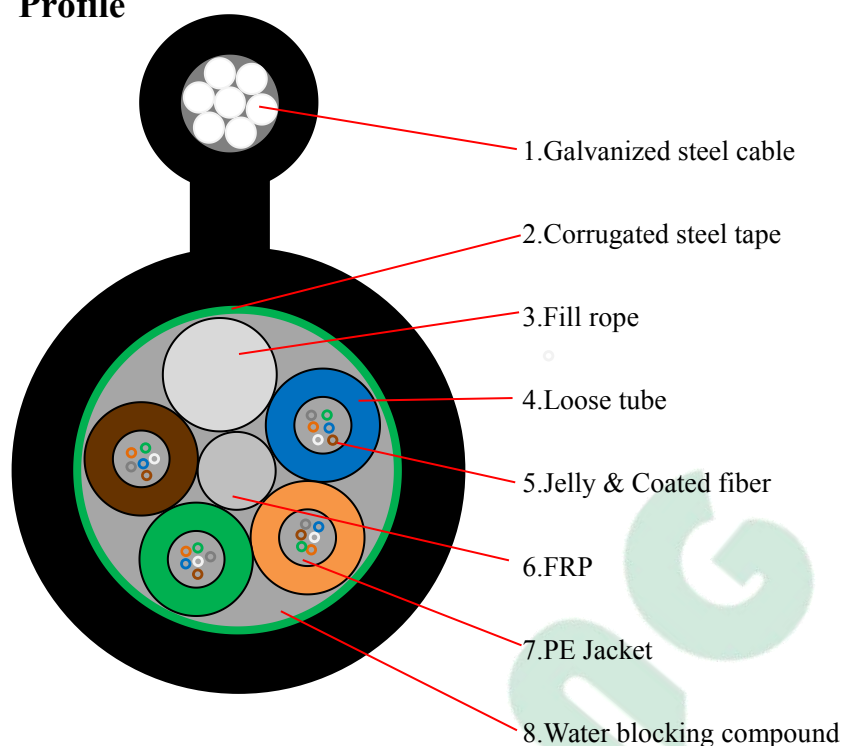


GYFTC8S Loose Tube stranded Figure 8 Self-support Fiber Optic cable

Profile



Optical fiber parameters

No.	Items		Unit	Specification				
				G.652D	OM1	OM2	OM3	OM4
1	Mode Field Diameter / Core Diameter		μm	9.2 $\pm$ 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	$\leq$ 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	$\leq$ 0.35	/	/	/	/
		1550nm		$\leq$ 0.22	/	/	/	/
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.

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 Natural						
	Filling materials	Thixotropic jelly						
	Color	Blue	Orange	Green	Brown	Grey	White	
Messenger wire	Material	Phosphate steel strand						
	Dimension	1.0mm×7						
Reinforcement materials	Strengthening of the Centre	Steel wire						
	Dimension	1.4mm~6.0mm (PE+Coated)						
Jacket	Material	HDPE Black						
	Water-blocking materials	Water blocking tape						
	Armored	Corrugated steel tape						

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Min.Broken tension	N	7000
Tension (Long Term)	N	2000
Tension (Short Term)	N	4500
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	2200
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)	Steel messenger specs	Drum Length (m)	Weight (W) (kg)	Weight (Gross) (kg)	Packing Size L×W ×H(m)
2-30	9.5×16.5±0.3	1.8±0.1	1.0mm×7	3000	270	320	0.9×0.9×0.7
32-60	9.5±0.5	2.1±0.1	1.0mm×7	3000	300	350	0.9×0.9×0.7
62-72	10.2±0.5	2.1±0.1	1.0mm×7	3000	345	400	1.0×1.0×0.7
74-96	12.2±0.5	2.1±0.1	1.2mm×7	3000	540	600	1.2×1.2×0.7
98-144	16.0±0.5	2.1±0.1	1.4mm×7	3000	855	930	1.4×1.4×0.7