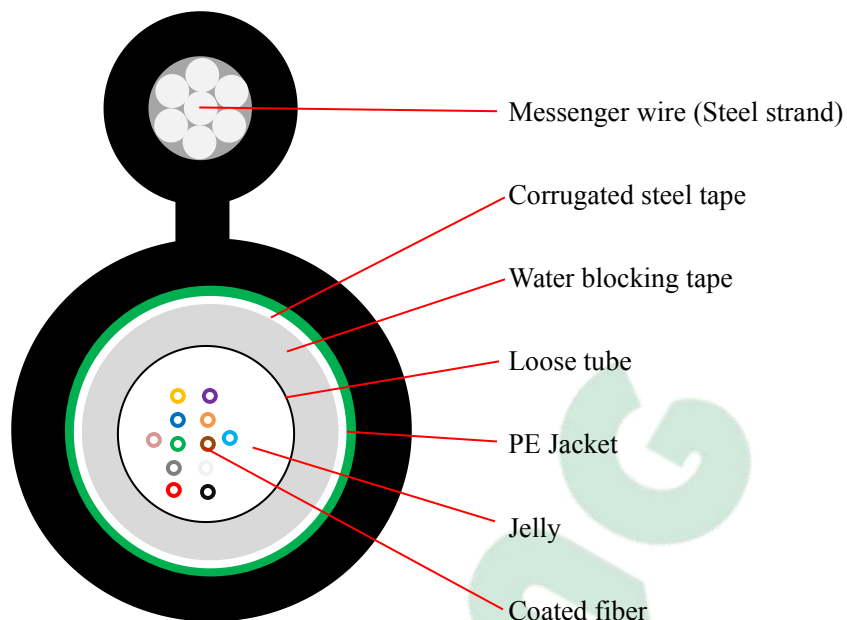


GYXTC8S Central Loose Tube Figure 8 Self-support Fiber Optic cable

The structure of cable



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



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 Natural						
	Material	PBT Natural						
	Filling materials	Thixotropic jelly						
	Color	Ecru						
Messenger wire	Material	Phosphate steel strand						
	Dimension	0.8mm×7						
Jacket	Material	HDPE Black						
	Water-blocking materials	Water blocking tape						
	Armored	Corrugated steel tape						

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	800
Tension (Short Term)	N	2500
Min.Broken tension	N	5000
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 1km, 5km, with a tolerance of -1%~+3%

Fiber Count	Cable diameter(mm)	Drum Length(m)	Weight (Net) (kg)	Weight (Gross) (kg)	Packing Size L×W ×H(mm)
2-12	7.0×14.5±0.5mm	2000	204	254	800×800×700
		3000	306	366	900×900×700
		4000	408	475	1100×1100×700
14-24	8.0×15.5±0.5mm	2000	244	294	900×900×700
		3000	366	426	1000×1000×700
		4000	488	558	1200×1200×700