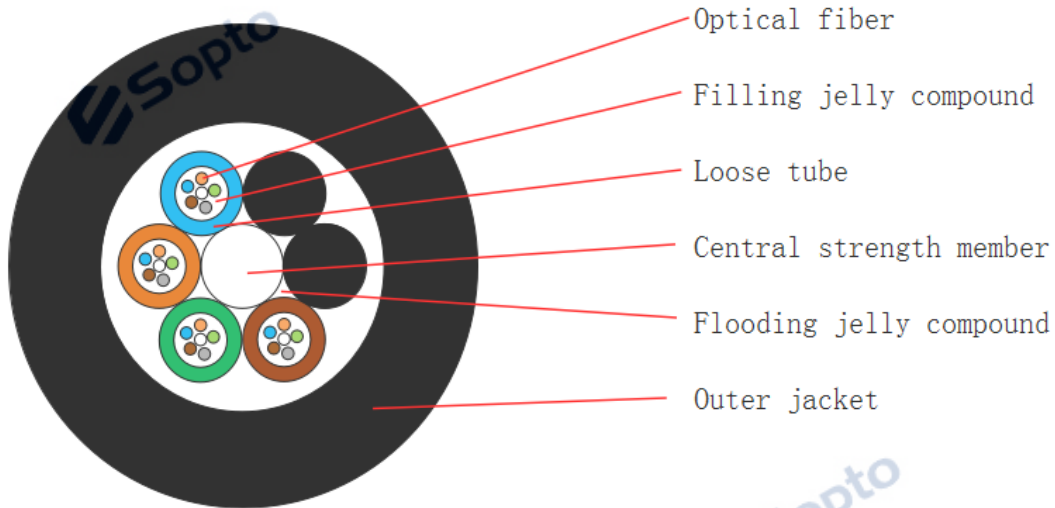


# GYFTY

## Cross Section of Cable



## Optical Fiber Type and Properties

Item	Unit	Specification
Fiber Type		G.652
Mode field diameter	1310nm	$\mu\text{m}$ $9.2 \pm 0.4$
	1550nm	$\mu\text{m}$ $10.4 \pm 0.8$
Cladding diameter	$\mu\text{m}$	$125.0 \pm 1$
Cladding non-circularity	%	$\leq 1.0$
Core/cladding concentricity error	$\mu\text{m}$	$\leq 0.5$
Coating diameter	$\mu\text{m}$	$242 \pm 7$
Coating/cladding concentricity error	$\mu\text{m}$	$\leq 12$
Cable cut-off wavelength	nm	$\leq 1260$
Attenuation Coefficient	1310nm	dB/km $\leq 0.36$

	1550nm	dB/km	≤0.22
Proof stress level		kpsi	≥100

Note: Other parameters meet standard ITU-T G.652

## Dimensions of Cable Constructions

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter /pad diameter(mm)	Thickness of outer jacket(mm)	Cable diameter (mm)	Cable Weight (kg/km)
4	1+6	4	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	68
6	1+6	6	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	68
8	1+6	4	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	68
12	1+6	6	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	68
18	1+6	6	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	69
24	1+6	6	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	69
30	1+6	6	1.8±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	70
36	1+6	6	1.8 ±0.1	2.2 /2.2	1.6±0.1	9.0 ±0.5	70
48	1+6	12	2.0±0.1	2.3 /2.3	1.6±0.1	9.5 ±0.5	78
60	1+6	12	2.0±0.1	2.3 /2.3	1.6±0.1	9.5 ±0.5	78
72	1+6	12	2.0±0.1	2.3 /2.3	1.6±0.1	9.5 ±0.5	79
84	1+7	12	2.0±0.1	3.0 /3.0	1.6±0.1	10.2 ±0.5	94
96	1+8	12	2.0±0.1	2.6/3.5	1.6±0.1	10.7 ±0.5	100
108	1+9	12	2.0±0.1	2.6 /4.2	1.6±0.1	11.4 ±0.5	113
120	1+10	12	2.0±0.1	2.6/ 4.9	1.6±0.1	12.1 ±0.5	126
132	1+11	12	2.0±0.1	3.0 /5.5	1.6±0.1	12.7 ±0.5	140
144	1+12	12	2.0±0.1	3.0 /6.3	1.6±0.1	13.5 ±0.5	157

## Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	FRP
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Tensile performance	Short term	1500N
Crush	Short term	1000N/100mm

## Working Condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20℃~+60℃
Water penetration	IEC 60794-1-2-F5	Water level: 1m ,sample: 3m, After 24h, no water ingress.

## Drum

Cable type	Drum		
	Height	Width	Inner diameter
GYFTY - 4B1	750mm	760mm	350mm
GYFTY - 6B1	750mm	760mm	350mm
GYFTY - 8B1	750mm	760mm	350mm
GYFTY - 12B1	750mm	760mm	350mm
GYFTY - 18B1	750mm	760mm	350mm

GYFTY - 24B1	750mm	760mm	350mm
GYFTY - 30B1	750mm	760mm	350mm
GYFTY - 36B1	750mm	760mm	350mm
GYFTY - 48B1	800mm	760mm	400mm
GYFTY - 60B1	800mm	760mm	400mm
GYFTY - 72B1	800mm	760mm	400mm
GYFTY - 84B1	850mm	760mm	400mm
GYFTY - 96B1	850mm	760mm	400mm
GYFTY - 108B1	900mm	760mm	400mm
GYFTY - 120B1	950mm	760mm	400mm
GYFTY - 132B1	950mm	760mm	400mm
GYFTY - 144B1	1000mm	760mm	400mm

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