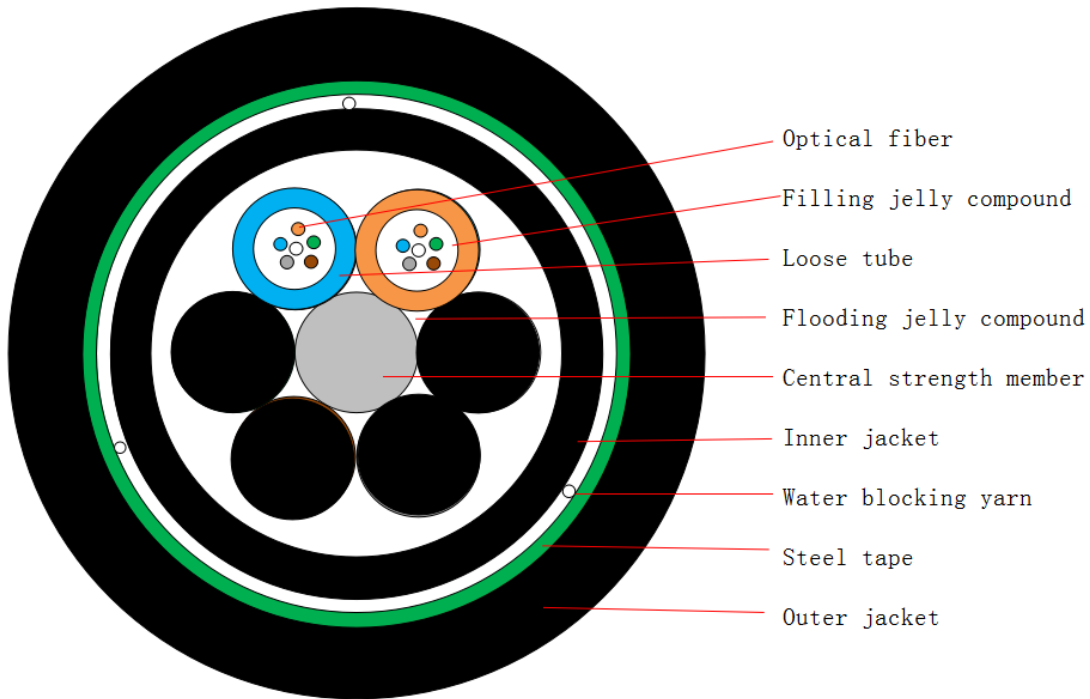


GYTY53

Cross Section of Cable



Optical Fiber Type and Properties

Item	Unit	Specification
Fiber Type		G.652
Mode field diameter	1310nm	μm 9.2 ± 0.4
	1550nm	μm 10.4 ± 0.8
Cladding diameter	μm	125.0 ± 1
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity error	μm	≤ 0.5
Coating diameter	μm	242 ± 7
Coating/cladding concentricity error	μm	≤ 12

Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤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 inner jacket (mm)	Thickness of outer jacket (mm)	Cable diameter (mm)	Cable Weight (kg/km)
4	1+6	4	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	136
6	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	136
8	1+6	4	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	137
12	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	137
18	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	137
24	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	138
30	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	138
36	1+6	6	1.7±0.1	1.8 /1.8	0.9±0.1	1.6±0.1	11.8 ±0.5	139
48	1+6	12	2.0±0.1	2.0/2.0	0.9±0.1	1.6±0.1	12.6 ±0.5	159
60	1+6	12	2.0±0.1	2.0/2.0	0.9±0.1	1.6±0.1	12.6 ±0.5	160
72	1+6	12	2.0±0.1	2.0/2.0	0.9±0.1	1.6±0.1	12.6 ±0.5	160
84	1+7	12	2.0±0.1	2.2/2.9	0.9±0.1	1.6±0.1	13.5 ±0.5	184
96	1+8	12	2.0±0.1	2.2/3.5	0.9±0.1	1.6±0.1	14.1 ±0.5	198
108	1+9	12	2.0±0.1	2.2/4.2	0.9±0.1	1.6±0.1	14.8 ±0.5	215
120	1+10	12	2.0±0.1	2.4/4.9	0.9±0.1	1.6±0.1	15.5 ±0.5	237
132	1+11	12	2.0±0.1	2.4/5.5	0.9±0.1	1.6±0.1	16.1 ±0.5	252
144	1+12	12	2.0±0.1	2.4/6.3	0.9±0.1	1.6±0.1	16.9 ±0.5	274

Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	Phosphating steel wire
Inner jacket	Material	MDPE
	Color	Black
Outer armoured	Material	Plastic coated steel strip
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	12.5 times cable diameter
	Dynamic	25 times cable diameter
Repeating bending	Load: 150N;number of cycles:30 No obvious addition attention, no fiber break and no cable damage.	
Tensile performance	Short term	3000N
Crush	Short term	3000N/100mm
Torsion	Load: 150N; number of cycles:10; twist angle: $\pm 180^\circ$ No obvious addition attention, no fiber break and no cable damage.	
Impact	Impact energy: 450g \times 1m; radius of hammer head:12.5mm; number of impact: 5 No obvious addition attention, no fiber break and no cable damage.	

Working Condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20 $^\circ$ C \sim +60 $^\circ$ C
Water penetration	IEC 60794-1-2-F5	Water level: 1m ,sample: 3m, After 24h, no water ingress.

Cable type	Drum		
	Height	Width	Inner diameter
GYTY53 - 4B1	900mm	760mm	400mm
GYTY53 - 6B1	900mm	760mm	400mm
GYTY53 - 8B1	900mm	760mm	400mm
GYTY53 - 12B1	900mm	760mm	400mm
GYTY53 - 18B1	900mm	760mm	400mm
GYTY53 - 24B1	900mm	760mm	400mm
GYTY53 - 30B1	900mm	760mm	400mm
GYTY53 - 36B1	900mm	760mm	400mm
GYTY53 - 48B1	950mm	760mm	400mm
GYTY53 - 60B1	950mm	760mm	400mm
GYTY53 - 72B1	950mm	760mm	400mm
GYTY53 - 84B1	1000mm	760mm	400mm
GYTY53 - 96B1	1150mm	760mm	450mm
GYTY53 - 108B1	1150mm	760mm	450mm
GYTY53 - 120B1	1200mm	760mm	500mm
GYTY53 - 132B1	1250mm	760mm	500mm
GYTY53 - 144B1	1300mm	760mm	500mm

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