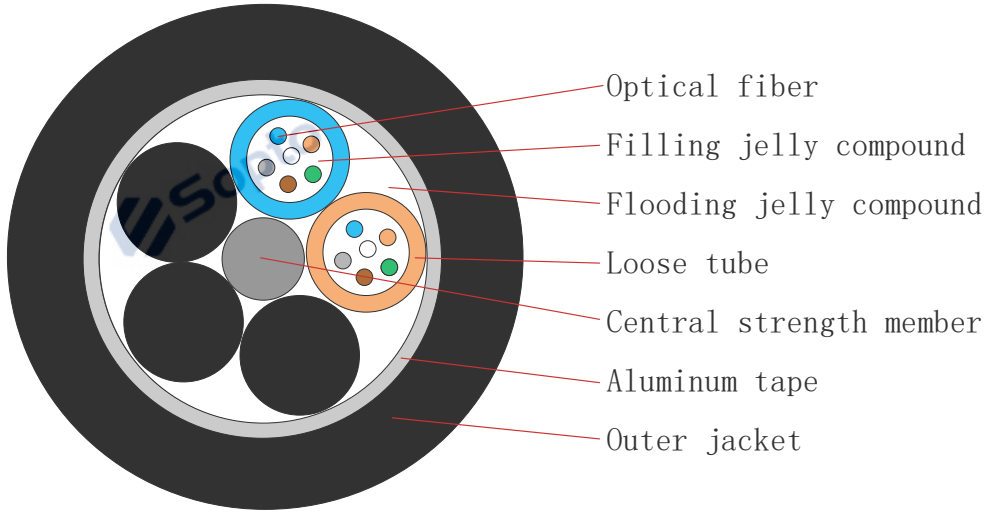




# GYTA



## Cross Section of Cable



## Optical Fiber Type and Properties



Item	Unit	Specification	
Fiber Type		OM4	
Core diameter	μm	50±2.5	
Cladding diameter	μm	125.0 ± 1.0	
Cladding non-circularity	%	≤1.0	
Core/cladding concentricity error	μm	≤1.5	
Coating diameter	μm	245 ± 10	
Coating/cladding concentricity error	μm	≤12	
OFL Bandwidth	850nm	MHz·km	≥ 3500
	1300nm	MHz·km	≥ 500
Attenuation Coefficient	850nm	dB/km	≤3.5
	1300nm	dB/km	≤1.5
Proof stress level	kpsi	≥100	

Note: Other parameters meet standard IEC 60793-2-1





## 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)
12	1+5	6	1.7 ±0.1	1.4/1.4	1.6±0.1	9.0 ±0.5	74

## Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	Phosphating steel wire
Armoured	Material	Plastic coated aluminum strip
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Repeating bending	Load: 150N;number of cycles:30 No obvious addition attenuation, no fiber break and no cable damage.	
Tensile performance	Short term	1500N
Crush	Short term	1000N/100mm
Torsion	Load: 150N; number of cycles:10; twist angle: ± 180° No obvious addition attenuation, no fiber break and no cable damage.	
Impact	Impact energy: 450g × 1m; radius of hammer head:12.5mm; number of impact: 5 No obvious addition attenuation, no fiber break and no cable damage.	



## Working Condition

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

## Drum

Cable type	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length(km)	Drum type
GYTA	750	760	350	2	Plywood wood drum
GYTA	850	760	400	2.5	Plywood wood drum

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