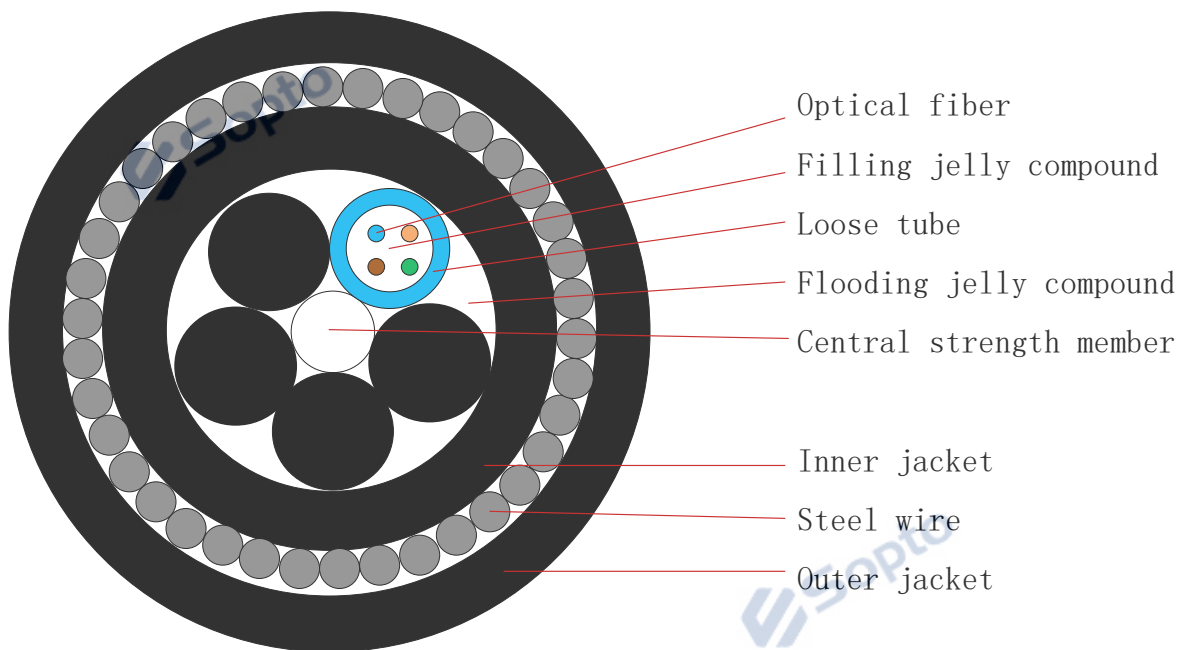


GYFTY33

Cross Section of Cable



Optical Fiber Type and Properties

Item	Unit	Specification	
Fiber Type		OM3	
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	≥ 1500
	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 60793-2-10

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+5	4	1.7 ± 0.1	1.4 /1.4	0.9 ± 0.1	1.8 ± 0.1	12.1 ± 0.5	241

Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Blue
Filler	Material	PE
	Color	Black
CSM	Material	FRP
Inner jacket	Material	MDPE
	Color	Black
Wire armoured	Material	Galvanized steel wire
	Diameter	0.9mm
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	15times cable diameter
	Dynamic	30times cable diameter



Repeating bending	Load: 250N;number of cycles:30 No obvious addition attenuation, no fiber break and no cable damage.	
Tensile performance	Short term	10000N
Crush	Short term	5000N/100mm
Torsion	Load: 250N; number of cycles:10; twist angle: $\pm 180^\circ$ No obvious addition attenuation, no fiber break and no cable damage.	
Impact	Impact energy: 1kg \times 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

Drum

Cable type	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length(km)	Drum type
GYFTY33	950	760	400	2	Iron wood drum

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