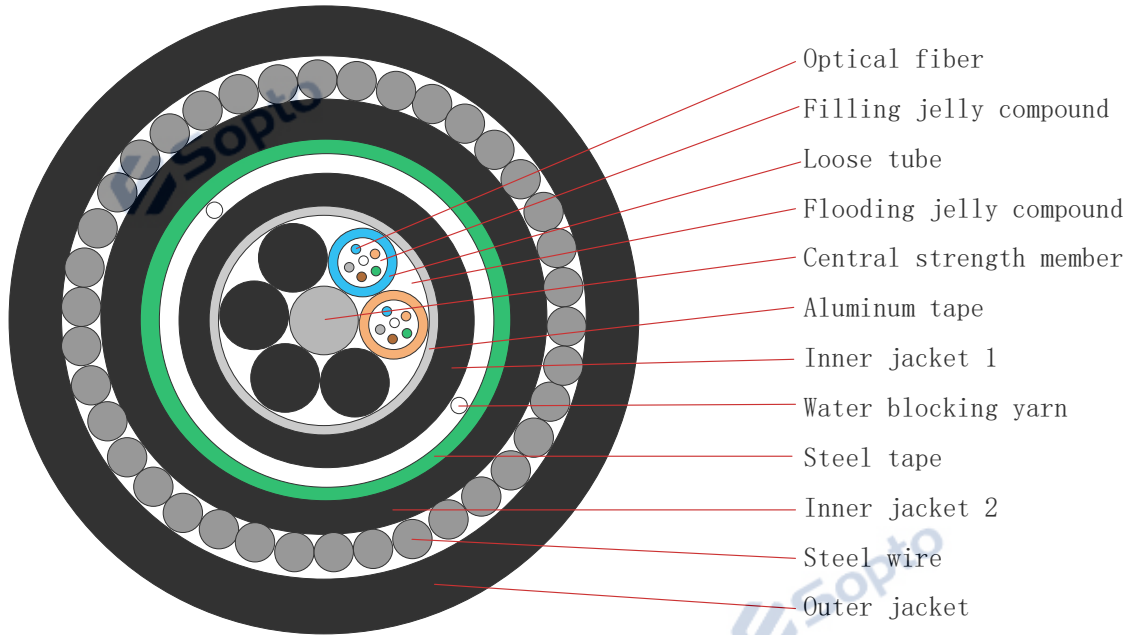


GYTA5333

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 1(mm)	Thickness of inner jacket 2(mm)	Thickness of outer jacket (mm)	Cable diameter (mm)	Cable Weight (kg/km)
2	1+6	2	1.7 ± 0.1	1.8 /1.8	0.9 ± 0.1	0.9 ± 0.1	1.8 ± 0.1	16.4 ± 0.5	426
4	1+6	4	1.7 ± 0.1	1.8 /1.8	0.9 ± 0.1	0.9 ± 0.1	1.8 ± 0.1	16.4 ± 0.5	426
12	1+6	6	1.7 ± 0.1	1.8 /1.8	0.9 ± 0.1	0.9 ± 0.1	1.8 ± 0.1	16.4 ± 0.5	426

Cable Performance

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	Phosphating steel wire
Inner armoured 1	Material	Plastic coated aluminum strip
Inner jacket 1	Material	MDPE
	Color	Black
Inner armoured 1	Material	Plastic coated steel strip
Inner jacket 2	Material	MDPE
	Color	Black



Wire armoured	Material	Galvanized steel wire
	Diameter	0.9mm
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	15 times cable diameter
	Dynamic	30 times 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.	

Working Condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20℃ ~ +60℃

Drum

Cable type	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length (km)	Drum type
GYTA5333	1250	760	500	2	Iron wood drum

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