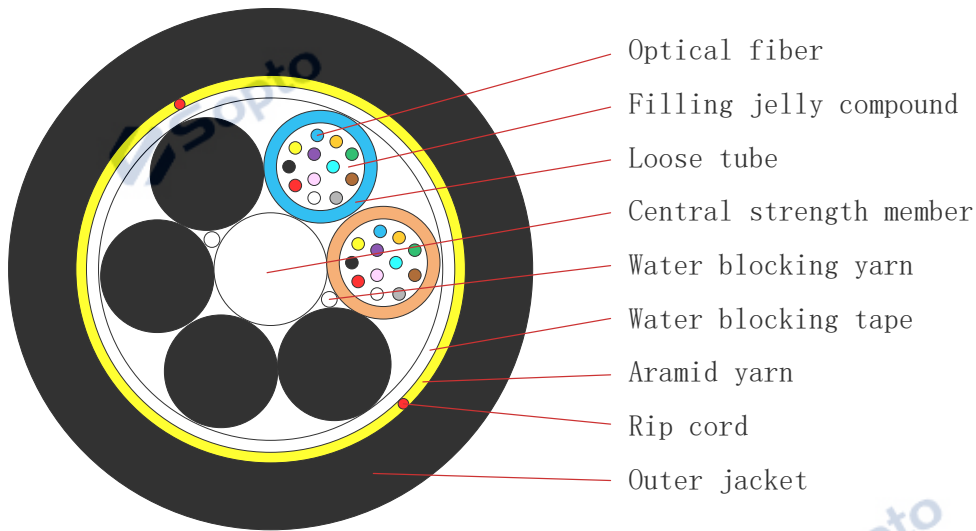




ADSS



Cross Section of Cable



Optical Fiber Type and Properties

Item	Unit	Specification
Fiber Type		G.652
Mode field diameter	1310nm	9.2 ± 0.4
	1550nm	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	≤ 0.36 dB/km
	1550nm	≤ 0.22 dB/km
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)
16	1+6	8	2.0±0.1	2.3/2.3	1.6±0.1	10.3±0.5	80
24	1+6	12	2.0±0.1	2.3/2.3	1.6±0.1	10.3±0.5	80
48	1+6	12	2.0±0.1	2.3/2.3	1.6±0.1	10.3±0.5	80
96	1+8	12	2.0±0.1	2.6/3.5	1.6±0.1	11.4±0.5	102

Cable Performance

Item		Parameters		
Loose tube	Material	PBT		
	Color	Full color spectrum		
Filler	Material	PE		
	Color	Black		
CSM	Material	FRP		
Non-metal reinforced pieces	Material	Aramid yarn		
Outer jacket	Material	AT		
	Color	Black		
Min. bending radius	Static	15 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	Core	RTS (N)	MAT (N)	EDS (N)
	16	4500	2000	1100
	24	4500	2000	1100
	48	4500	2000	1100



	96	4500	2000	1100
Crush	Short term	1000N/100mm		
Span(m)	80			

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
ADSS-16	1200	760	500	4	Iron wood drum
ADSS-24	1200	760	500	4	Iron wood drum
ADSS-48	1200	760	500	4	Iron wood drum
ADSS-96	1250	760	500	4	Iron wood drum

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