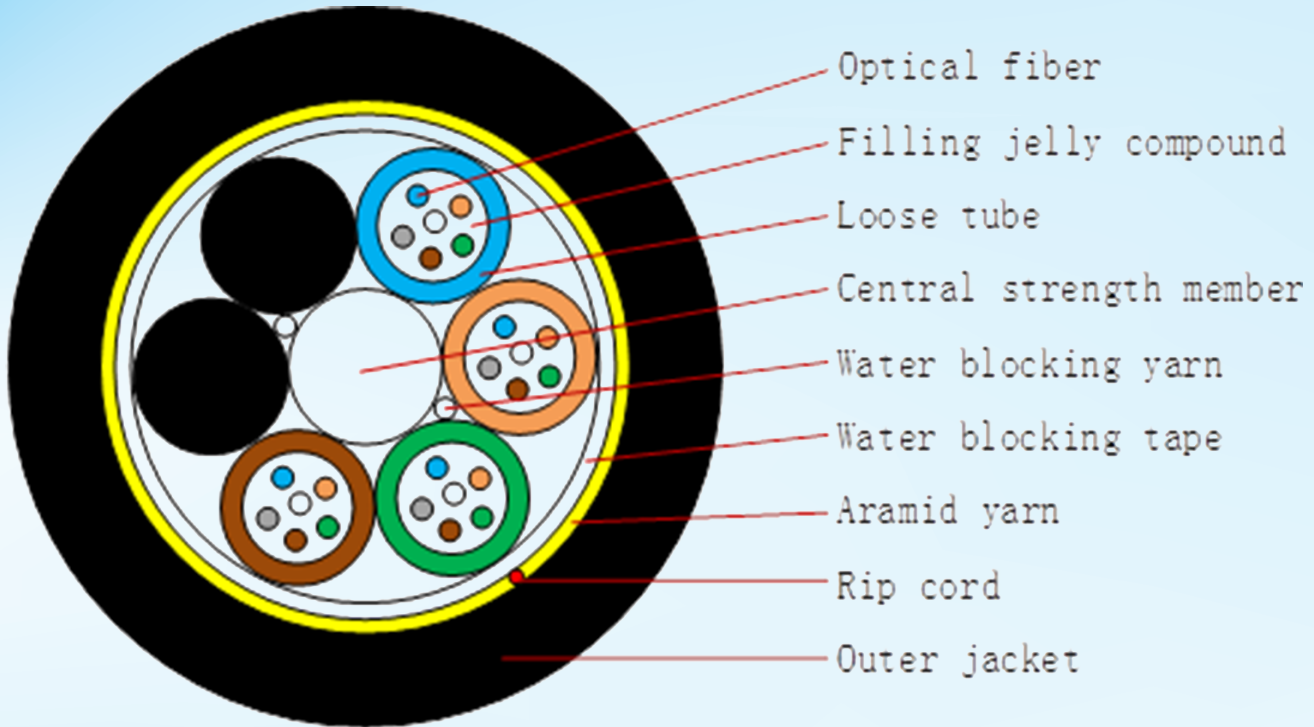


## Cable Specification

Optical cable type:ADSS

Cross section of cable:



Optical fiber type and properties:

Item	Unit	Specification	
		G. 652D	
Mode field diameter	1310nm	$\mu\text{m}$	$9.2 \pm 0.4$
Cladding diameter		$\mu\text{m}$	$125.0 \pm 1.0$
Cladding non-circularity		%	$\leq 1.0$
Coating diameter		$\mu\text{m}$	$242 \pm 7$
Coating/cladding concentricity error		$\mu\text{m}$	$\leq 12.0$
able cut-off wavelength		nm	$\leq 1260$
Attenuation Coefficient	1310nm	dB/km	$\leq 0.36$
	1550nm	dB/km	$\leq 0.22$
Proof stress level		kpsi	$\geq 100$

Other parameters meet standard ITU-T G.652

**Dimensions of cable constructions:**

Fiber count	Structure	Fiber s per tube	Loose tube diameter (mm)	CSM diameter/pad diameter (mm)	Nominal Thickness of outer jacket (mm)	Cable diameter (mm)	Cable weight (kg/km)
6	1+6	6	2.0±0.1	2.0/2.0	1.7	9.8±0.5	76
12	1+6	6	2.0±0.1	2.0/2.0	1.7	9.8±0.5	77
24	1+6	6	2.0±0.1	2.0/2.0	1.7	9.8±0.5	78
48	1+6	12	2.1±0.1	2.2/2.2	1.7	10.2±0.5	87
72	1+6	12	2.1±0.1	2.2/2.2	1.7	10.2±0.5	90
96	1+8	12	2.1±0.1	2.2/3.5	1.7	11.5±0.5	110
144	1+12	12	2.1±0.1	2.2/3.5	1.7	14.5±0.5	175
288	1+9+15	12	2.2±0.1	2.2/4.3	1.7	17.3±0.5	240

**Environmental performance**

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-40℃~+70℃

**Drum:**

(Cable type)	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	ength (km)	Drum type
ADSS-(6-72)	1100	750	500	4	Wooden plate
ADSS-96	1200	750	500	4	Wooden plate
ADSS-144	1100	750	450	2	Wooden plate
ADSS-288	1300	750	450	2	Wooden plate

**Cable performance:**

Item		Parameters		
Fiber	Color	Full color spectrum		
Loose tube	Material	PBT		
	Color	Full color spectrum		
Filler	Material	PP		
	Color	Black		
CSM	Material	FRP		
Non-metal reinforced pieces	Material	Aramid yarn		
Outer jacket	Material	MDPE		
	Color	Black		
Min. bending radius	Static	15 times cable diameter		
	Dynamic	25 times cable diameter		
Tensile performance	Core	RTS (N)	MAT (N)	EDS (N)
	6	5800	2600	1400
	12	5800	2600	1400
	24	6000	2700	1500
	48	6000	2700	1500
	72	6000	2700	1500
	96	6000	2700	1500
	144	6000	2700	1500
	288	6000	2700	1500
	Additional attenuation	≤0.1dB		
Crush	Short term	1000N/100mm (Additional attenuation≤0.1dB)		
Span(m)	120			
Sag(m)	0.8			