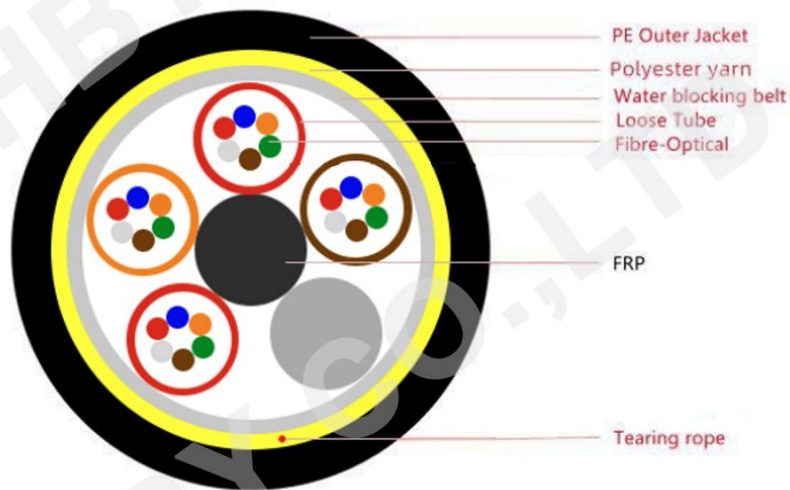




Cablespecification

1. (Optical cable type):ADSS-Span100

2. (Cross section of cable):



Optical fiber type and properties

(Item)		Unit	Specification
			G. 652D
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

ITU-T G.652 (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)
12	1+5	6	2.0±0.1	1.5	1.7±0.1	10.0±0.2	72
24	1+5	6	2.0±0.1	1.5	1.7±0.1	10.0±0.2	75

5. (Cable performance)

(Item)	(Parameters)	
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PP
	Color	Grey
CSM	Material	FRP
Non-metal reinforced pieces	Material	Polyester yarn
Outer jacket	Material	HDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Repeating bending	The load is 150N; 30 cycles of optical fiber have no obvious additional attenuation, and the sheath has no visible cracks	



	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)
	12	3500	1500	1000
	24	3500	1500	1000
Crush	Shortterm	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.			
Span(m)	100			

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)	Length (km)	Drum type
ADSS-12B1.3	1000	750	400	4	Plywood wood drum
ADSS-24	1000	750	400	4	Plywood wood drum

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